

# The FARM TRIBUNE

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Thursday, April 28, 1955



ONE OF the greatest medical developments of this century is exemplified in the above photo — use of the new Salk vaccine as a means of controlling polio. Dr. Lloyd Bond, of the Tulare County Health department is shown giving a "shot" to Debra Coates, from the second grade of Roche avenue school in Porterville. Assisting is Mrs. C. E. Jenna, a volunteer Red Cross Nurse's Aid from Visalia; in the background is Miss Eleanor Martole, supervising health nurse in the Porterville Elementary school system. Miss Coates was in the first group of children who, Tuesday morning, went through the line at the Legion hall; all first and second grade pupils in the county will receive the free shots, made possible through the National Foundation for Infantile Paralysis. Delivering the vaccine from Fresno to Porterville was Charles Haener, chairman of the March of Dimes in Tulare county.

(Farm Tribune photo)

## Tulare County Maintains Agricultural Greatness

Tulare county last year maintained its agricultural greatness, and will no doubt continue to be ranked among the four top agricultural counties of the nation.

In annual report released from the office of Oscar L. Hemphill, county agricultural commissioner, value of the county's agriculture was placed at \$222,542,176, the third greatest valuation in the last six years.

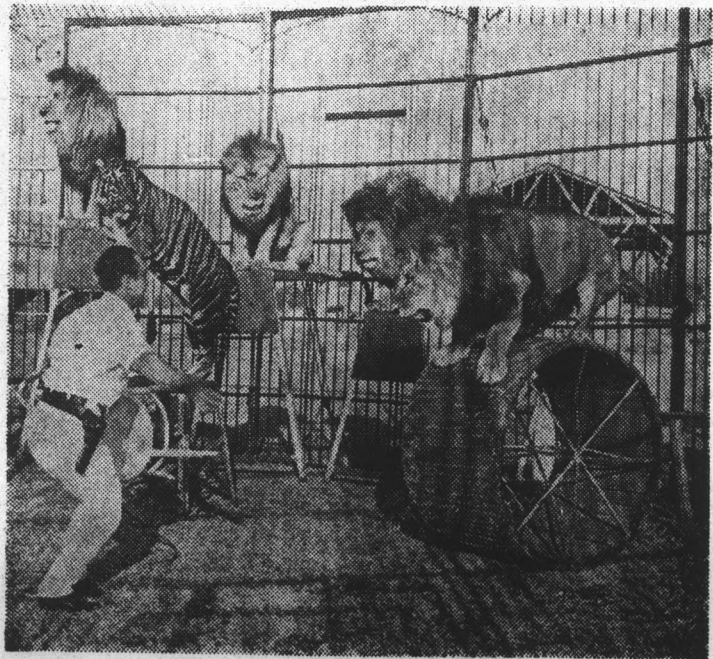
Total value in 1953 was \$212,975,991; in 1952, \$252,727,816; in 1951, \$245,462,808; in 1950, \$196,819,459 and in 1949, \$178,880,506. Value of all commodities, except dairy products, livestock, poultry and field crops, showed an increase over last year.

A breakdown of individual commodities for 1954 shows the following values: Citrus, \$33,972,764; deciduous fruits and grapes, \$44,207,064; truck crops, \$13,510,482; apiculture, \$113,700; dairy products, \$19,365,139; livestock, \$38,178,370; miscellaneous, \$968,511; poultry, \$6,857,460; field crops, \$65,176,593 and sub-

sidy payments, \$192,093.

Mr. Hemphill states that computation of values is on a basis of mean income to Tulare county, including the cost of picking, hauling, packing and otherwise preparing for delivery to the point of packing.

On an acreage basis, the following figures have been compiled: Citrus, 35,920 acres, of which 34,988 is in production; deciduous fruits and grapes, 105,310 acres of which 97,478 is in production; truck crops, 16,585 acres, and field crops, 406,869 acres.



PORTERVILLE COMMUNITY will see its first big time circus in many years when the Clyde Beatty show rolls into town next Tuesday morning for 3:00 p.m. and 8:00 p.m. performances on the Porterville fair grounds, just east of the municipal ball park. The circus is sponsored by the Porterville Junior Livestock Show and Fair association, with the fair to receive 20 per cent of advance sale tickets, and 10 per cent of sales on circus day. In the above photo, Beatty, probably the world's greatest trainer of wild animals, is shown coaxing "Caesar", a black-maned Nubian lion, to roll a barrel across the arena. Wild animal acts, plus the traditional pageantry, clowns and aerial performances of the old time circus, are featured in the Clyde Beatty show.

## ROUNDUP SET FOR WEEK-END

Champion cowboys will compete against the top rodeo stock of the famous Christiansen Brothers in the eighth annual Porterville Roundup, to be staged Saturday and Sunday afternoon in the Rocky Hill arena by the Orange Belt Saddle club.

Special arena features will be the Clark Brothers, with their comedy acts, clowning and bull fighting, and Porterville's Cantabellles, precision girl riders.

(Continued on Page 9)

## BONDS FAIL, TAX CARRIES

Porterville high school and college school bonds failed to carry in Tuesday's election, with 2,411 "yes" votes and 1,310 "no" votes, representing a favorable vote of 64.79 per cent; a two-thirds vote is necessary to carry a bond issue.

A special tax, requiring only a majority vote to carry, was passed by voters, 1,899, "yes" and 1,723, "no." Twenty absentee ballots remain to be counted.

## Meier, Santry Win Mystery Farm Contests

Here are your Hastings Equipment Company Mystery Farm winners for the past two weeks — April 14 winner was R. G. Meier, of Porterville, who identified the Mystery Farm of Walter Johnson, and whose name was drawn from the jackpot.

Last week's winner was Melvin Santry, who identified the L. D. Flory ranch that appeared as the Mystery Farm of the week.

Mr. Meier and Mr. Santry will receive aerial photos of their own farms as winners in the weekly contest.

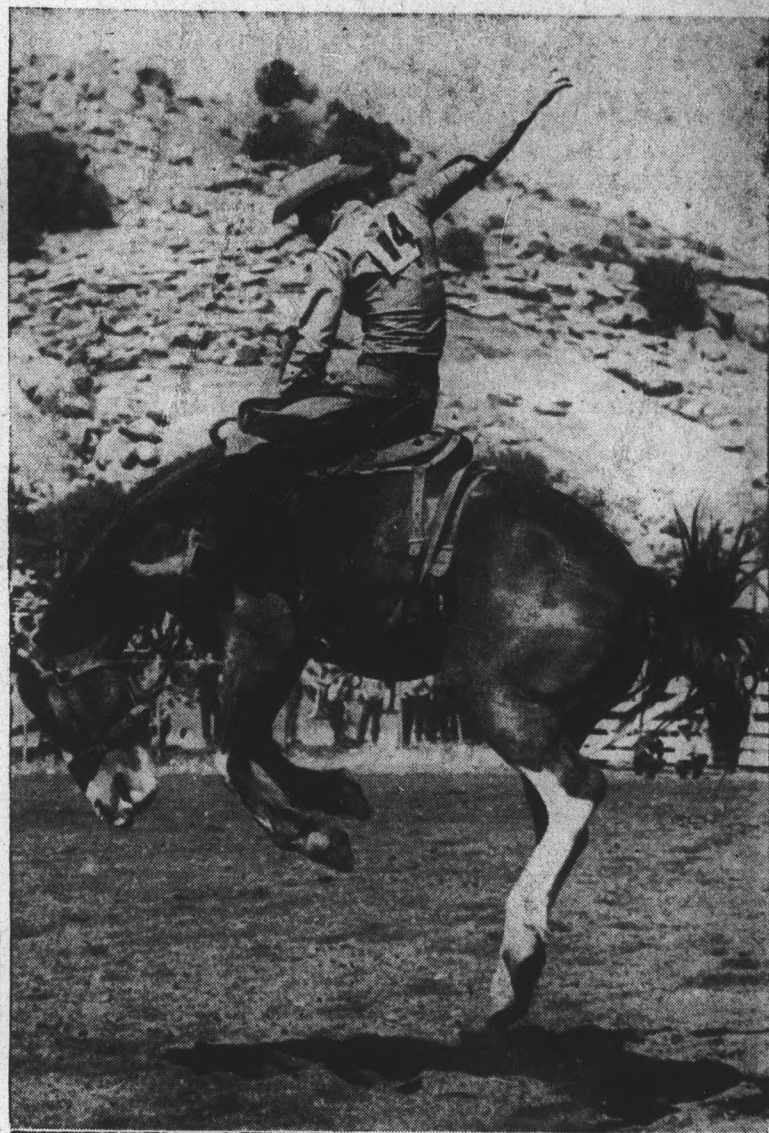
This week's Mystery Farm appears on page 1 of Section three of The Farm Tribune. Drop in at Hastings Equipment company in Porterville, enter the contest by identifying this week's Mystery Farm, and get your name into the jackpot drawing.

If you can identify the Mystery Farm, and if your name is drawn, you win a Free aerial photo of your farm or home.

## MEAT COOKING AND SELECTION SCHOOL MAY 12

Meat selection and cooking demonstration has been scheduled for the Monache Theatre, in Porterville, May 12, at 1:30 p.m., under sponsorship of the Tulare County Cow Belles, the Tulare County Beef Promotion committee and the U. S. department of agriculture. All interested persons are invited to attend.

Two women will conduct the demonstration— Catherine Nawn, out of Washington, D. C., from the department of agriculture, and a home economist from the Southern California Edison company. There is no charge for the demonstration; door prizes will be given away.



ACTION LIKE this is in store for rodeo fans when they attend the Porterville Roundup, Saturday and Sunday afternoons at the Rocky Hill arena, on Putnam avenue east of town. Action shot above shows Gabby Blankenship making a prize-winning ride at a previous Roundup.

(Jim Lusk photo)

## Royalty For The Roundup

DONNA YOUNG, right, will reign as queen of the Porterville Roundup over the coming weekend, with attendants being Karol Kendrick, left below, and Leila Hinton, right below. All three girls are seniors at Porterville high school; they won the honors following competition in scholarship, horsemanship and ticket sales.

(Jim Lusk photos)



## Success Dam Dispute To Washington

Pros and cons of the proposed Success dam on the Tule river will be discussed in Washington, D. C. next week, when opponents and proponents appear before congressional committees handling appropriation of funds.

R. R. Killian, of Springville, will represent the committee opposing the dam; Bill Alexander, engineer for the Lower Tule River Irrigation district, will represent various agencies of Tulare county favoring construction of the dam.





## OUR TOWN

Vince McHenry bought himself a boat, motor and everything. Just had to try it out, and arrived at Pine Flat Dam for a trial run. Everything went fine, and here the story gets a little vague. All

of a sudden, for some unexplained reason, the boat flipped over and there was Vince, Hubert Adelsbach and a friend thrashing around in the cool water. As Vince is subject to heart attacks this could have been too exciting, but calm Vince climbed back on the bottom of the boat, leaned up against the motor and took a couple of pills, while one of the men perched in a tree and howled for help to a passing crew. How he got in the tree wasn't explained to me, but it sounded like fun.

Jimmy Howell assured me that, "Movies are better than ever", and if "The Man Called Peter" is one of the samples, I certainly agree. It was by far the best movie I have ever seen since talkies came on the scene. Peter Marshall must have been a wonderful person, and I found out that he was born the same year I was, but he did much more with his short span of life than I ever will. What a great inspiration he is to us, who just exist and don't do anything we don't

just have to do.

The cowboys, invading OUR TOWN, certainly add a lot of color. Charlie Haener all dressed up in Levis, red check shirt, and yellow boots, is a sight to behold. Marge Cassidy asked me why I didn't wear a western outfit, but I thought it would be obvious. Ladies, with builds like mine, shouldn't be caught dead in tight pants. I've seen a few in TOWN who look as if they were going to explode. They always remind me of a balloon that someone has tied in the middle. Of course, people like Molly Della, look beautiful enough to be in a fancy advertisement.

Someone is certainly tearing the insides out of the old Bank of America building. I understand Korte sewing machine and yardage goods from Tulare is going in there. I do hope they fix the clock too. I like a TOWN clock.

Morton street is also getting a face lift. It will be so wide that Dr. Phil Moore almost had part of his building scraped off. The old Knupp home doesn't look quite right without a nice big lawn in front, but this is progress, kids. I hope they don't go on to take off part of Everett Howell's property. Mrs. Howell always has the most beautiful flowers, it seems a shame to lose such a nice sight. But progress must go on, I guess.

Helen Clair Trueblood and friends were at Prandini's the other night, and she looks wonderful after her bout with Polio. Another personality in this here world that shows what character can do, and such a nice character at that. By the way, did you know that certain wags about TOWN are calling Prandini's "Fernandez' Hide-away", in honor of Gib of course.

The city park is crowded, Sundays, again. The swimming pool is about to sport a diving board. Looks real fancy. The pool looks small to me, but then everything not quite finished, looks small to me. Maybe it will be nice and big when it gets finished. The swimming team of the high school practice at the Ted Johnson pool, thanks to Dr. and Mrs. Johnson, we have a team. It is so much superior to the Porter Slough, and it has water in it.

Had lunch at Beelers' in Springville the other day, and a bunch of the staff of the hospital were in there talking, and I listened. They were talking about Eleanor Jones, and how all the children look forward to her coming for a visit. Eleanor and her group of women do so much to help up in Springville and at the State Hospital. Buying things the patients need in TOWN, mailing letters, bringing surprises and themselves, help so much. One of the women said, "She's a lovely lady." What a lovely compliment.

I wonder if members of the Horseless Carriage club are going to the Los Banos celebration. I went on one trip in a 1920 Lincoln, and never had such a good time in my life. One and only time I ever got in a parade, and I loved every noisy minute. Don Jackson of Lindsay had his old cars there. What a hobby, all the family can get in on fun. We dig Burmuda grass for a hobby in our family. With Loyd's of Loff.

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## BARN'S "LO AND BEHOLD" FEATURES FINE ACTING BY BILL CARPENTER, BOTH IN PERSON AND IN SPIRIT

By Bill Rodgers

"Lo and Behold" turns out to be an unusual sort of play, entertaining and enjoyable and, in the Barn Theater's version, features a fine, professional performance by one of the Barn's old faithfuls, Bill Carpenter.

Mr. Carpenter appears first as a noted author and Nobel prize winner, near the end of his span of life, then, before the first act ends, he defies his doctor and eats a hearty meal, which ends said span of life, then and there.

After that, Mr. Carpenter is a somewhat perturbed spirit, who is joined by other spirits, much to the consternation of the spirit Carpenter. And therein lies the entertaining plot of the play.

And even with a well-balanced, capable cast, Mr. Carpenter is the center of this show, with a really excellent performance, probably the best in his Barn career. Which

is saying quite a bit.

Two newcomers to the Barn also present top-notch performances—Natalie Lawson and Richard Spencer. They're the "love interest", and, after a "boy loses girl" routine, all ends happily after all.

Excellent supporting roles are played by Virginia Beattie, Wilbur Stover and Norma Margo; Arnold Bremner Jr., is as fine a villain as the Barn has seen in late years and Richard Thompson does well enough in a brief part.

All of which might lead you to believe that we liked this Barn show. Well, we did.

Incidentally, "Lo And Behold" is the 84th production in the seventh year of Porterville's Barn theater. Quite something for the modest and doubtful project that was started with Pete Tewksbury as director in Anna Smith's old Barn, lo and behold, those many moons ago.

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## The Farm Tribune

Published Every Thursday at 522 North Main Street  
Porterville, California

John H. Keck and William R. Rodgers  
Co-Publishers and Owners

The Farm Tribune was declared a newspaper of general circulation on January 10, 1949, by judgment of the Superior Court of the State of California in and for the county of Tulare.

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Single copy, 5c; Subscription per year, \$2.00

Thursday, April 28, 1955

VOL. VIII — NO. 44

### FARM EQUIPMENT ISSUE

We present this week the third annual farm equipment issue of The Farm Tribune — 24 pages of special stories and advertising relating to mechanical approach to farming.

Aside from the value of the information, we believe that an issue of this type focuses attention on the importance of farming and the importance of mechanics to farming.

And, certainly, there is no single economic factor relating to southeastern Tulare county that even approaches the importance of agriculture.

Not only the farmer, but practically every business man in the county, stands or falls on agriculture. For if farmers prosper, so does business generally; if farmers are not prosperous, business suffers.

The importance of the mechanization of agriculture cannot be over-emphasized. Modern trend makes agricultural mechanization essential, for farming is a highly competitive business.

If a farmer is to succeed, he must keep pace with modern developments that not only take the drudgery out of farming, but also constantly cut the unit cost of production.

And the dealer in and manufacturer of agricultural equipment is an important factor in the local, as well as the national economy. Prosperous agriculture, prosperous equipment dealers play a tremendous part in the general economy.

We of the San Joaquin valley live in the world's greatest agricultural area. And we are part of an agricultural development that our grandfathers would have believed impossible. With continuation of the modern trend, our children will see developments that we now would call fantastic.

But this development will come, and the new equipment that will be in use 20 years from now will make the modern equipment shown in this issue as obsolete as the horse-drawn plow.

And farmers will be producing even more per hour of work spent.

### LITTLE LEAGUE BEING FORMED IN WOODVILLE

Eighty-five boys tried out last Saturday for Little League baseball teams that are being organized in Woodville, with a second tryout set for this coming Saturday, April 30, at 1:30 p.m., on the Woodville school grounds.

Four teams are planned for the league, managed by Leland Vossler, Bert Grimsley, Gene Franks and Herman Wiseman. League officials are: Coy Pledger, president; Rev. William Dyer, of Poplar, vice president; Rev. Milton Harrington, secretary; Rev. Ralph Files, treasurer, and Jerry Regan, league contact man.

The hoe has been the symbol of planting and cultivating for some 5,000 years.



### Jersey Cattle Club Will Aid Dairy Month

Tulare County Jersey Cattle club will take an active part in observation of Dairy month, next June, with initial plans made at a meeting of the club held in Hanford last week.

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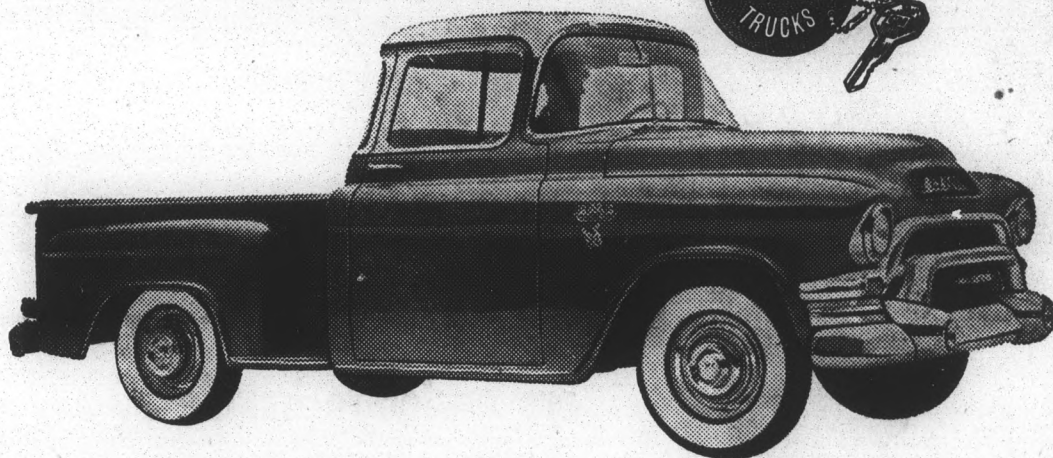
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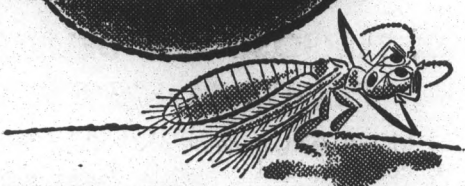
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**ZANINOVICH HEADS  
STATE ORGANIZATION**

Martin Zaninovich, of Delano, has been elected president of the California Grape and Tree Fruit league. He had previously served as first vice president on the 60-man board.

**MOTHER'S DAY  
MAY 8th**

Mother usually buys for everyone else in the family and thinks of herself last. Why not give her something for Mother's Day that she has put off buying for herself. We have a gift certificate that you can give her along with a cute miniature girdle and we will gift wrap it at no extra cost.

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**News Of The  
SPRINGVILLE COMMUNITY**

By WINNIE GAGE

Mr. and Mrs. Jim Lasure have returned from a trip to Portland, Ore., going via the eastern route and down the Columbia and returned via the coast and inland on the Redwood highway.

The Lasures' 15 month old black and tan smooth Dachund, Gary's Herman De, placed first in his class and won a blue ribbon from the American Kennel Club show in Fresno on Saturday, April 16, and also won first and a blue ribbon in Bakersfield on Sunday. He recently placed third in a class of 12 in obedience training class held in Tulare.

While in Portland the Lasures attended a meeting of IWA and CIO area financial secretaries in the Governors building on April 13. They visited in Laytonville with Mr. and Mrs. O. V. Isaacs and Mr. and Mrs. Merle Isaacs, former Springville residents.

Mr. and Mrs. Roy Kirkland of Exeter have moved here while Mr. Kirkland is employed at T. B. Sanitarium.

Little "Skip" Rouch, son of Mr.

and Mrs. Claude Rouch, Jr., who now live in Drum Valley, had the misfortune of getting his left leg broken last Sunday.

Mrs. Winnie Gage accompanied her son, Mr. and Mrs. Jay Gage and son, and Mrs. Gertrude Goodman of Delano to Long Beach, where Jay bowled in a tournament. They visited relatives in Fullerton and also attended a Hobby Show at the Shrine auditorium in Los Angeles.

The Tule River Houndsmen Association is holding a Field Trial at Gill arena Sunday, May 1.

Invitations to all old-time residents of Springville have been mailed, inviting them to attend the annual Homecoming Day, which will occur on Sunday, May 1st.

The meeting place will be in the Springville Memorial Hall. Clem Simpson, hospitality chairman, will be on the welcome mat at the front door at an early hour Sunday morning to welcome the guests. His committee, Sylvia Wyld, will register each guest, and Mrs. May Wyld Millinghausen, will pin on the badges bearing the name of the person.

Potluck dinner will be served at noon, each guest bringing a hot dish, salad or dessert. Following the dinner, the Old-Timers may visit their old-time scenes wherever they wish. Frank Negus is general manager for the Homecoming this year.

Harold Weisenberger is at home, recuperating from major appendix surgery.

Picnic dinner was served at the

**FARM TIDE RUNS FAST IN FREE LAND**

The farm tide has run fast in free America, where, in little more than a century, mechanical power has replaced hand power to lift drudgery from the backs of those men and women who produce the food and fiber of our land.

Mechanical power has brought an abundance to America never before known in any land or in any era. And at the same time, it has released man power from the farm to assist in the business and industrial development of the nation.

**REENLISTMENT**

Ralph D. Wilson, of Porterville, who was recently discharged from the Navy has reenlisted in the Air Force as Airman Third Class. He is now taking a 15-day indoctrination course at Lackland Air Force base in Texas.

O. C. Mays ranch in Success, Sunday following the morning service in the Springville M. E. Church. Following the MYF evening service, the young people left for Poplar, where they joined in the Sub-district Rally put on by the Poplar church.

Anti-polio shots for first and second grade students of the Springville Elementary school will be given at the clinic to be held Thursday.

Members of the Success Valley 4-H Club attended an instructional tour through the Lindsay Ripe Olive plant recently. Members were: Judith Larson, Janice Calkins, Johnny Weisenberger, Alene Waits, Barbara Calkins, Beatrice, Rebecca, Dickie and Danny Ramirez; Betty and Juanita Turned and their brother, Dick Turner. Others attending from Success were Mrs. Vernon Gifford, Danny and Beverley Weisenberger, Phillip Larson, Mrs. Wilbur Larson, Mrs. Harold Weisenberger, Judy Turner and O. C. Mays.

Jack Davis, brother of Mrs. Joe Fine, is home after receiving a discharge from service on April 11. He was in the service five years; two years in Naples, Italy.

The farm equipment industry can take pride in this miracle of America — this miracle of development that could never have been possible except in a land where the minds and the hearts and the hands of men are free.

**Vandalia 4-H  
Hears Club Reports**

Reports on club activities were heard at a meeting of the Vandalia 4-H Club held last Thursday evening at the Vandalia school.

Voted as candidate for the Davis 4-H convention were Janet Gravlee and Viola Meier; demonstrations were given by Miss Meier and Miss Gravlee on how to make biscuits; by Joel Upton on how to build a fire; by Garry Howell on how to plant tomatoes; and by Carol Morrison on first aid.

Jane Clem gave a project report on work with clothing; guest at meeting was Mary Howell.

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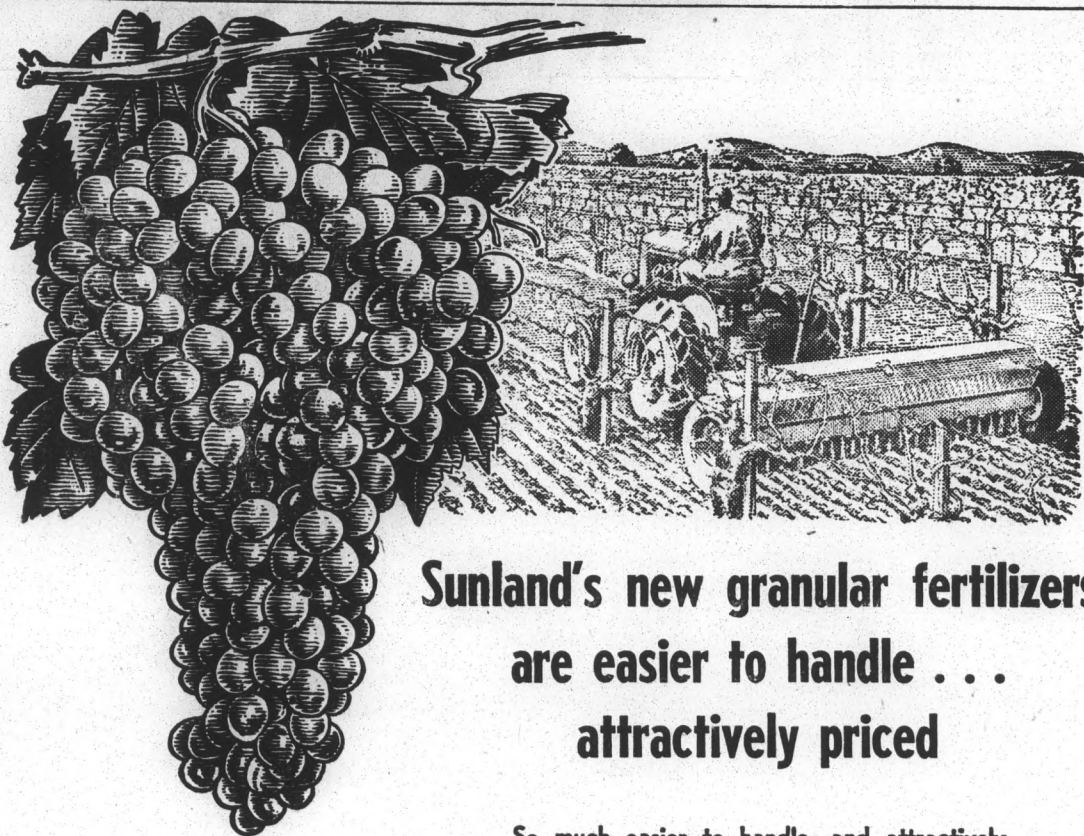
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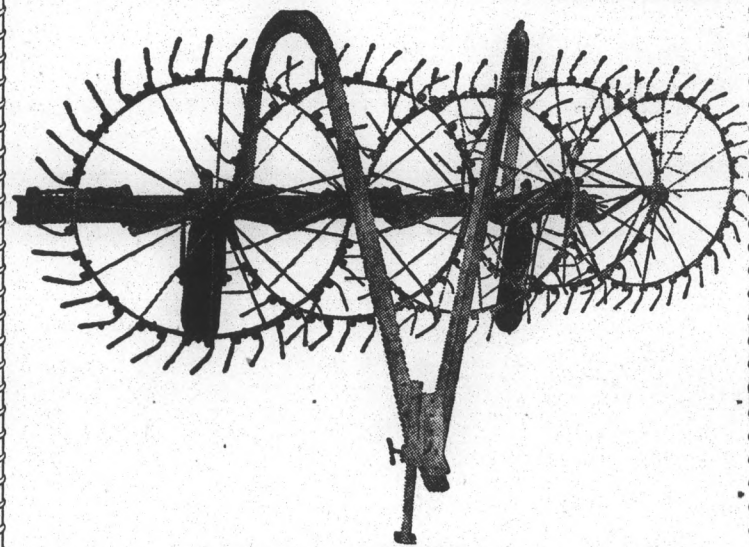
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They are available in all the standard mixes and some special mixes, too. They are free flowing, they won't cake, and they won't dust. You'll find them ideal for any type application, too . . . airplane, hopper, broadcast or side dressing rig.

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## We Only Heard

By BILL RODGERS

CAME THE time, Saturday, when the little lady got that look in her eye and that tone in her voice which left no doubt but that we were to fix the leaking faucets around the house. (We had successfully evaded this issue for six months and 14 days, which, we believe, is very good, although not a record.) So, having made the decision, we hastened to turn off the water and take out all the faucets from the back porch, through the kitchen to the bathroom, only to discover that we had nothing but washers of the wrong size. Obviously, we had no other course but to go to town, where a sharp-talking salesman unloaded the Handy Dandy fancy faucet washer assortment, guaranteed to fit any faucet in any house. Any house, except ours, we found, so back to town, this time with the various faucets to which we fitted the proper washers. (No refund on the Handy Dandy assortment.) Completing the job in the manner of a professional plumber, we found that one faucet leaked only a little more than before we fixed it, so, off with the water again and back to town for a new faucet. (We might remark that little children are sometimes very strange—even our own. They'll go for hours without a drink, but turn off the water and wham, they're dying for a drink.) But you can't turn on the water with a faucet off, so, as we say, back to town again. (Wives are sometimes very strange, also. Suggesting for instance that a 10-minute job shouldn't take all afternoon and suggesting that perhaps on one trip to town, we might consider by-passing the Elks club and the United.) But in spite of this uncooperative attitude, we eventually installed the new faucet with a final flourish of our over-sized pipe wrench, and, to the amazement of those present, not a drip in the entire house. But upon stepping to the front door, we see nothing but a fine, fat stream of water bubbling from the center of Bellevue, with city workmen manning pumps and jack hammers, while disgruntled neighbors (their water is now off) point the accusing finger at us. Fix your leaking faucets, say they. That's what you did. You should have known the city mains wouldn't stand the strain. So back to town we go. This time to apologize to Frank Sheldon. We should have called a plumber in the first place.

FAILURE OF the Porterville high school and college bond issue means that members of the school board will have to plan to further crowd already overcrowded classrooms; they will perhaps have to reduce unit requirements for graduation; they will perhaps have to lengthen the school day; they will have to deny students certain courses in mechanical arts because sufficient facilities are not available; they will have to open the new Porterville college on a half-way basis; they will have to let students continue without a library or study hall. In short, they will have to give a little less in the way of education . . . We do not believe the school board should ask for another bond elec-

## MONTGOMERY WARD IS REOPENING FARM STORE

An announcement by Warren Willsey, manager of the Porterville Montgomery Ward retail store, states that merchandise stocks are now nearly complete in the new enlarged Farm store annex located in the rear of the main building on South Main street.

The recreated department will carry a full line of farm tools and supplies including the complete line of Ward garden tractors and other small power equipment. Other items include such staples as: barbed wire, steel fence posts, milking machines, poultry equipment, stock and grain tanks and other farm accessories. The department will also stock a line of first-quality Western saddles.

A feature of the new store will be a complete service department for maintaining and servicing all Ward power equipment. Manager of the Farm store will be Bob Riko of Porterville.

## MOTHERSINGERS WILL APPEAR IN LOS ANGELES

Five local women will attend the State Convention of Parents and Teachers to be held in Los Angeles at the Shrine auditorium May 4, 5, and 6 to sing with the Mothersingers' Convention concert.

This chorus is made up of Mothersingers throughout the state and is usually between 700 and 800 voices.

Those attending from Porterville will be Anita Richards, Jane McKinney, Leola Lalanne, Nancy Cemo and Elfrieda Allen. This is the first time the Porterville Mothersingers' group has ever had any of its members participate. They have learned from memory five songs, which is required, and will wear pastel formals.

tion. "The people have spoke," to coin a phrase, and it now becomes the job of school board members to operate as best they can with the facilities and funds the people have chosen to give them . . . And if there is a natural inclination to use funds from the special tax to meet legitimate needs, but not needs that were specified by the board prior to the tax vote, the board must curb this inclination. A maximum of 10 cents for "operation"; balance of the special tax into a building fund to meet future needs.

## CHOIR FESTIVAL SUNDAY NIGHT AT CHRISTIAN CHURCH

The Annual Union Choir Festival will be presented Sunday night at 8:00 o'clock at the First Christian church with Dr. William Norton, of Stockton, as the guest director.

This annual music festival coincides with National Music week, and locally is under the auspices of the Porterville Ministerial as-

sociation, Rev. J. Wilmer Lambert, president. Chairman of the music festival committee is Rev. Burris Morford of the First Baptist church.

Dr. Norton was guest director last year and presented a program of fine church music. He is from the College of the Pacific and his work is supported by the Lowell W. Berry foundation, a foundation for the promotion of fine choral music. The final rehearsal of the choirs will be Saturday night, 7:30 at the host church.

In 1910 there were 24,211,000 horses and mules being used on American farms, compared to 1,000 tractors; today there are more than 4,000,000 tractors in use, while horse and mule population is a little over 7,000,000 head, many of which are not used for farm work.

Man-hours to produce cotton amounted to 148.6 hours per acre in 1910, compared to about six hours now, thanks to mechanization.



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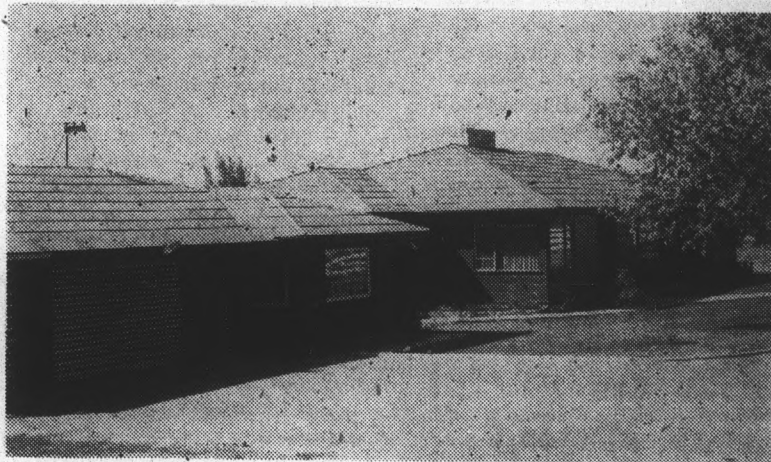
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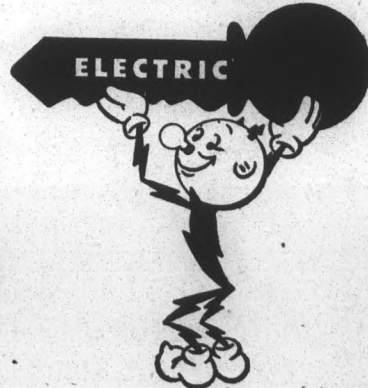
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# THE OLD DAYS

Porterville Enterprise  
June 8, 1906

The Starr Wave Motor is the greatest invention of the age. This wonderful yet most simple invention is endorsed by some of the best engineers of the country.

Harry J. Bean, engineer in the electricity department of the city and county of San Francisco, endorsed it as follows: "Most people believe that someone will successfully convert the wasted energy of the ocean waves into useful work. This object can best be accomplished by utilizing the up and down motion of the waves. This is exactly what the Starr Wave Motor will do, if given a chance."

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To my mind, the problem has resolved itself down to simply men and money. For the benefit of the cautious investor, I would state, mechanically the apparatus must work."

The San Francisco Engineering company, whose business it is to build machinery, says, "We have built and tested your Model Wave Motor and find it does all the inventor, Mr. Fred Starr, claimed it would do. It is a perfect success."

The Wave Motor has been seen in practical operation in San Francisco and approved by hundreds of people who have purchased stock in the company. It will reduce immeasurably the cost of power for all purposes within 200 miles of every ocean shore of the world. The company's profits, therefore, are sure to be enormous. One hundred dollars invested in Bell Telephone company stock a few years ago is now worth over \$100,000.

Investment in our stock is as sure to pay enormous profits. One not thoroughly conversant with the profits to be derived by Wave Motor getting power without cost cannot realize what fabulous profits this company will make. The supply of power is absolutely

unlimited by the Wave Motor and the demand for electric power is growing so rapidly each year that it will be hard to supply all the power required.

We are now selling a limited amount of stock at one dollar per share. For full particulars address the Wave Power & Electric Company, 53 Belle Vista Avenue, Oakland.

## FISH FOR FEATHERS

By Phil The Forester

This Saturday is fish day for thousands of trout anglers who will be out whipping California's many lakes and streams until they give out with some of the fish they are hiding.

Some of the roadside, readily accessible waters that have just been stocked or will be prior to Saturday with catchable size put and take rainbow include:

Kern County — Caliente Creek, all of the Kern river and tributaries and on the west side of the Greenhorn, in Kern and Tulare counties, the White river, Poso, Deer, Tyler, Cedar and Alder creeks

Tulare County — Middle, South and North forks of the Kaweah river, all of the Tule, Middle fork of the Tule and the Middle and South forks of the Middle Fork of the Tule river.

Fresno County — Hume lake only. (Kings river, as well as the Sequoia, Shaver and Huntington lakes will not be stocked until later based on past experience that wild or carry-over trout provide ample productive fishing the first week or so.)

Madera County — Big Creek near Fish Camp provided weather and road conditions permit passage of fish trucks.)

Mariposa County — Merced river from El Portal to Briceburg.

Tuolumne County — Practically all low elevation water where road conditions permit with ample fish on hand, due to the operation of the new Moccasin Creek Hatchery.

As we went to press, our weather man friend would make no predictions for the coming weekend but putting our own interpretations on his reserved and guarded conversation, our recommendation would be to go prepared. In other words if headed for any place near the tall timber, take chains, and toss in a blanket or two, something to nibble on and a thermos bottle of hot stuff.

Any person 16 years of age or older must have an angling license.

Chumming is prohibited this season and the use of live minnows for bait has been prohibited in most all trout waters. Quite a

## MADSON TO SPEAK AT RANGE MEETING

Prof. Ben A. Madson, chairman of the University of California Field Station administration, will speak at a Tulare County Range Field day, May 12, at the Keith Manley ranch. Prof. Madson spoke recently in Porterville at annual banquet of the Porterville chamber of commerce.

Among earliest hay machines known to exist in America was a horse-drawn, wooden, revolving rake, invented about 1820, and a grass-cutting machine, patented in 1822.

number of arrests are being made for this violation on Pine Flat. Also approximately 35 arrests or warnings have been given for the illegal fishing on the Kings river from Pine Flat to the Friant-Kern canal which does not open to any fishing until this Saturday along with the general season.

Early season trout fishing in unknown water conditions, calls for bait (salmon eggs or worms, etc.) to be the most productive.

## OBER CARR BACK FROM TRIP

Ober Carr, who with Mrs. Carr, recently returned to Porterville to make their home, returned Friday from a trip by air to Minneapolis, representing the Investors Diversified Services, Inc., for which he is zone manager.

Farm Tribune Ads Get Results

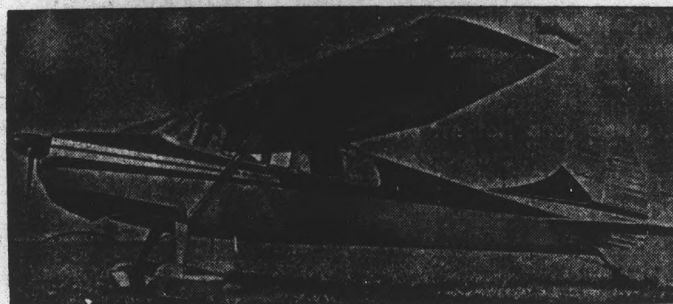


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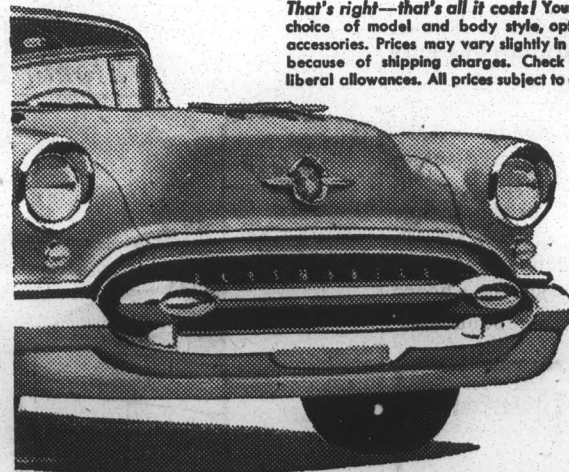
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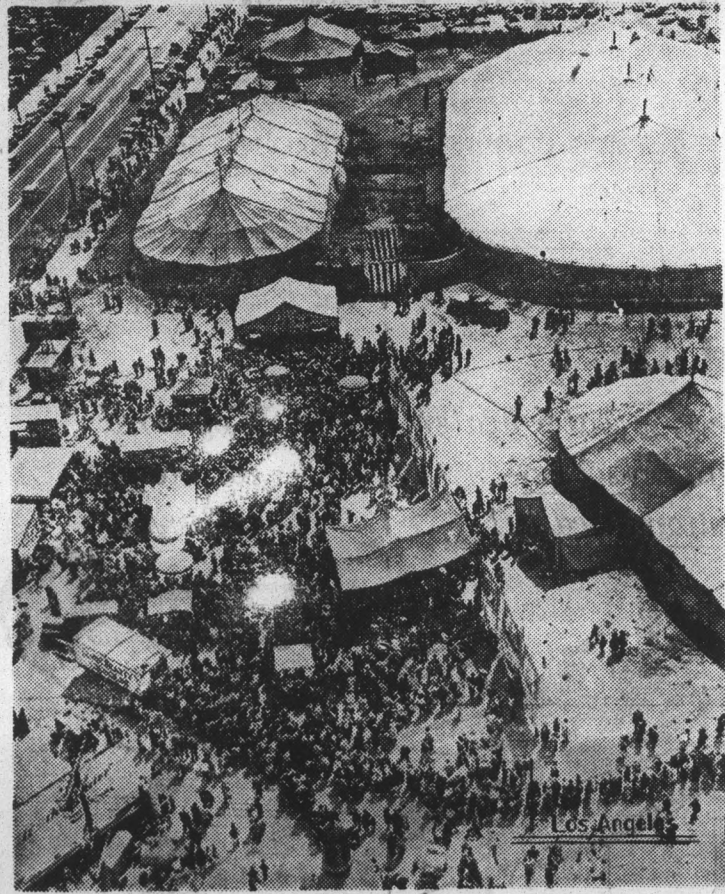
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# THE FARM TRIBUNE

VOL. VIII — NO. 43

PUBLISHED WEEKLY — PORTERVILLE, CALIFORNIA

Thursday, April 21, 1955

## SPECIAL SECTION

# THIRD ANNUAL Farm Equipment Issue



# POWER<sup>FOR</sup> A LAND<sup>OF</sup> OF PLENTY

## Farmers Can Meet Problems Of Future

In the next 20 years there will be an additional 20 million mouths to feed in America, and one million less farms and two million less farmers with which to do the job. So, the days of idle farmlands are over. We can no longer afford the luxury of such land made idle by poor conservation methods and inefficient farm operations.

If the present rate of population growth continues, which is two and one-half million persons per year, we will, by 1975, have exhausted our available supply of untilled acres needed to produce the extra food. This includes marginal land passed over the first time around as being unproductive.

Therefore, if we expect to main-

tain our present diet standards, which are the highest of any nation in the civilized world, the American farmer in 1975 will have to produce (on almost the same number of acres) about 3 billion more pounds of meat per year, 7½ billion more eggs, 8 billion more quarts of milk, 5 billion more pounds of fresh vegetables and a like increase of all farm products.

A sizeable task! But no one seriously doubts the ability of the American farmer, the implement maker, the scientist or the researcher to meet the challenge. In the past we have seen how the combined efforts of this group and their ingenuity have reduced by almost two-thirds the man-hours

necessary to produce a bushel of wheat, shorten by months the time needed to fatten livestock, extract nearly 50 per cent more milk from the cow and almost double the yields for practically all farm commodities.

By employing modern power equipment and inherent know-how, the farmer has utilized the soil to the fullest extent of its capabilities to produce. Through the wizardry of science, an array of synthetic products have been developed which give promise of even greater yields in the future. By use of commercial fertilizers, fertility of the soil is being maintained and restored.

New pesticides are on the way

to fight the hordes of insects and rodents which annually destroy millions of dollars in food and fibre. In the field of livestock production, research has pointed the way to faster and more economical methods of producing pounds of meat.

Everywhere there is evidence that our agricultural and industrial abilities are capable of meeting the threatened crisis. By observing the achievements and accomplishments made in the past quarter century in power machinery, it is easy to understand why there is little reason why we should fear our capabilities to feed the future generations. Tomorrow's farmers can expect even greater tools

from the inventive abilities of our agricultural engineers who are continually striving to lessen the toils of manual labor, which the farmer must do in order to produce and process his crops efficiently and abundantly.

In the pages ahead you will see some of tomorrow's equipment today. In our estimation, the 1955 models far surpass anything yet designed. You'll find without exception, all of the manufacturers have incorporated into the new equipment a good deal more power and comfort. They are, we think, the answer to what we will do in 1975.



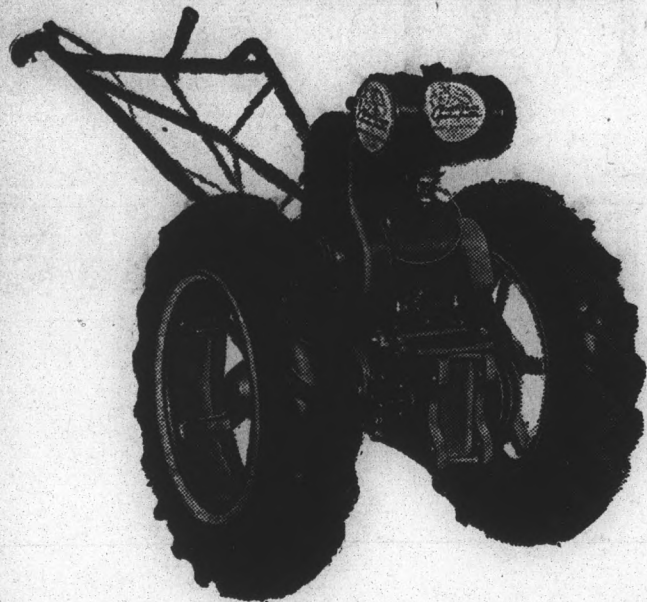
### Farm Equipment Prices Stay Below Rest Of Economy

Farm equipment prices, during periods of inflation and rising prices,

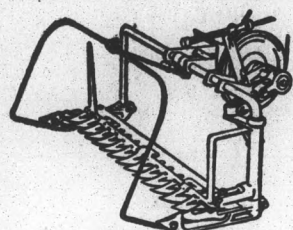
es, have, historically, remained below the rest of the economy. This was true in 1918 and again following World War II.

And equipment has been constantly improved for harder, faster work.

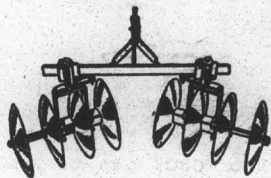
## Make SEARS YOUR HEADQUARTERS



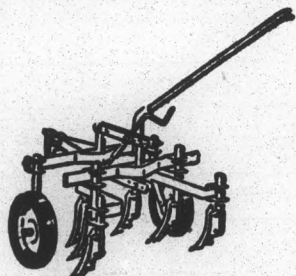
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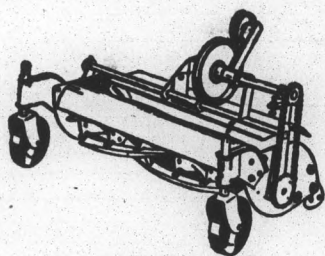
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## Mechanics Of Corn Farming

It is estimated that over 200,000 acres will be planted to corn this year in California, principally in the San Joaquin valley and most heavily in Tulare and Kern counties.

For the farmer who plans on giving corn a trial, about the only equipment he will need to purchase is a picker. The implements he already owns for cotton tillage are adaptable to corn. The machines now on hand at the dealers' stores are principally the same machines used by the mid-west growers for many years, any of which are capable of satisfactory

results. In recent years research on modifying a combine for corn harvesting has undergone tests and several makes are now available.

The pickers are of two distinct types, mounted and pulled. In recent years, demand for the mounted machine exceeds that of the pull type, all that is necessary to of the former is that crops are not over-riden, its disadvantage, if it be such, is the tying up of the tractor for other jobs. With the pull type, all that is necessary to release the tractor is to uncouple at the drawbar. Either machine however is capable of picking up

downed corn, so in the advent that the pull type is used, and lands run over, the corn is not lost.

Choice of a mounted picker is governed by the type tractor owned, for the pickers are not interchangeable. For example, if you own a John Deere, the mounted picker must be of Deere manufacture. This holds true for all makes. Generally speaking the mounted pickers are adaptable to all tractor models of the same make. The pull type machines can be used with any type tractor of two-plow powering.

For those intending to purchase pickers, orders should be placed far enough in advance to assure delivery by harvest-time. All of the implement dealers report receiving requests for information from prospective growers pertaining to the crop's culture and equipment necessary, and are prepared to assist the farmers in all phases of the crop's growth and harvesting.

### TRACTORS CAN BE DANGEROUS

Modern mechanical devices on the farm bring untold benefits, but they also bring new problems, and, in case of a tractor, the method of operation and training of the operator can be an important factor in determining life of the tractor, and, perhaps, life of the operator.

For the benefit of the tractor itself, the tractor owner and the operator, here are a few points to remember:

A little time spent in reading the manual of operating procedure will pay off in longer tractor life.

Correcting minor defects in such things as brakes, clutch, fuel line and mechanical controls will save money; if you let the minor defects develop into a major breakdown, you've wasted money.

Days of cranking tractors have pretty well passed, but if you do have to use a crank, don't try to spin the motor; pull up, and leave your thumb along side the crank; in other words, don't grip it.

In operating a tractor, watch for holes and soft places, and don't cut fancy ditches on a side hill. And wait two seconds when you stop; don't jump off while the tractor is in motion.

Power takeoff guards were made to use; it's cheaper to use them than to pay the doctor bill to get a mangled leg fixed up.

Stop the tractor motor when refueling; don't run the motor in a closed building; always stop the motor before attempting to remove or put on a belt.

Keep dust, grease and adobe clods away from foot pedals and other controls.

Keep the tractor in gear when going downhill.

Be sure that the drawbar hitch is correctly coupled, particularly with heavy loads.

In general, take an extra minute and be sure that everything is right.

Really, we're not trying to make the tractor appear to be a lethal weapon; we're just reminding you about that five letter word — THINK.

### Horse Collar Was Milestone

Some historians consider the horse collar as an important a milestone in agricultural history as the invention of the wheel, for the horse collar enabled farmers to utilize the motive power of horses — about 1,000 A. D. Yet animal power was only a short step forward when compared to the "age of the tractor."

A combine was shipped around Cape Horn to San Francisco to harvest 600 acres of California wheat in 1854. By 1886, 300,000 acres were harvested by combine.



Meet the Crew

Left to right—AL DONALDSON, EVERETT HAVENS, BILL DILL

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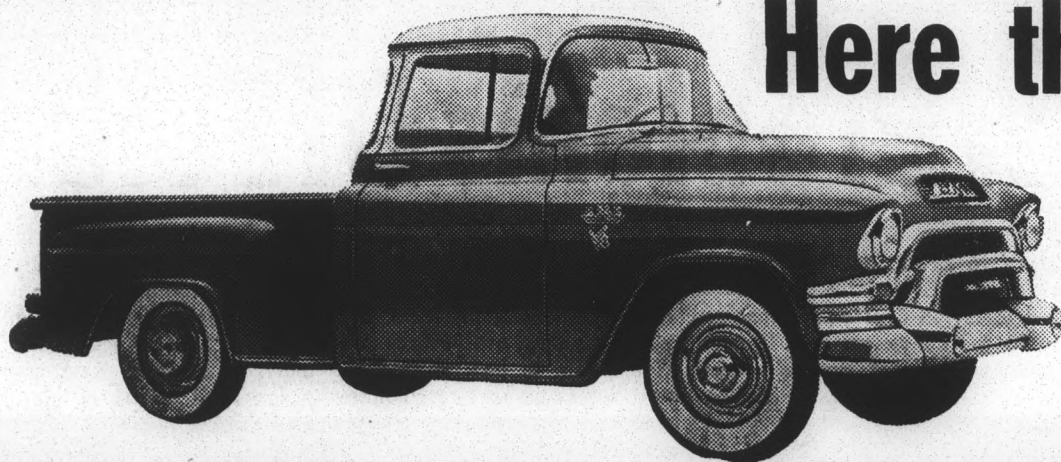
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# MECHANICS

## CHANGE MUSCLES TO MOTORS

(From Farm Equipment Institute)

Without question, the biggest single thing that has happened to agriculture in modern times has been the transition to power farming. This was not a sudden, revolutionary change, but a long, slow evolution which has extended over more than half a century and is still in progress.

Since World War I when the "age of tractor power" really began, and particularly since the coming of all-purpose and rubber-tired tractors, nearly every phase of farm progress has revolved around tractor power. Tractors have given their owners power to farm better and time to live better.

Feed that formerly went to horses and mules is now used more profitably to produce the meat, eggs and dairy products that have made our standards of living the envy of the world. Tractors are our national strength in war because they enable us to produce food as well as arms. They are strength in peace because they give man more control over his food supply than at any time in history — also because we spend less time feeding and clothing ourselves and more time producing other goods and services.

Because of its broad and far-reaching influence on the daily living of producer and consumer alike, few, if any, modern machines have contributed as much to our high standard of living as the tractor.

Actually, the word "tractor"

meant nothing to the public until the season of 1906-07, when it appeared in a manufacturer's advertising as a shorter way to say "gasoline traction engine." Perhaps it might be permissible to apply the name retroactively to the handful of experimental models of gasoline traction engines which started appearing in 1892, and to the limited factory production which began in 1903. But when the word is applied to other than internal combustion "traction engines," it is incorrectly used.

Predecessor and, some say, sire of the farm tractor was the steam traction engine which enjoyed a spectacular but brief chapter on the farming scene. As a source of belt power, the steam engine made an important contribution to agriculture, but as a traction engine for drawbar work, it had its limitations.

No one knows exactly when the steam engine was first used for farm power, but it was around 1850. Up to that time, sweeps, treadmills and to some extent, windmills, had been about the only improvement over hand power to operate stationary machines like threshers, feed mills, wood saws and others. These first steam engines were stationary, but in the late 1850's and early '60's, portable models were introduced to run threshers. At first they were pulled from farm to farm with horses, but later models propelled themselves and pulled the threshers.

Almost immediately, inventive-

minded men began to dream how they might apply the engine's power to tillage implements and in 1860, an Illinois farm paper reported what it called "the first actual success in steam plowing in America." The steam plow ran 23 minutes, stopped six minutes for wood, ran 13 minutes, stopped eight minutes for water, ran one minute. It plowed 2.63 acres in 72 minutes, using six of a gang of 13 plows. The crew consisted of

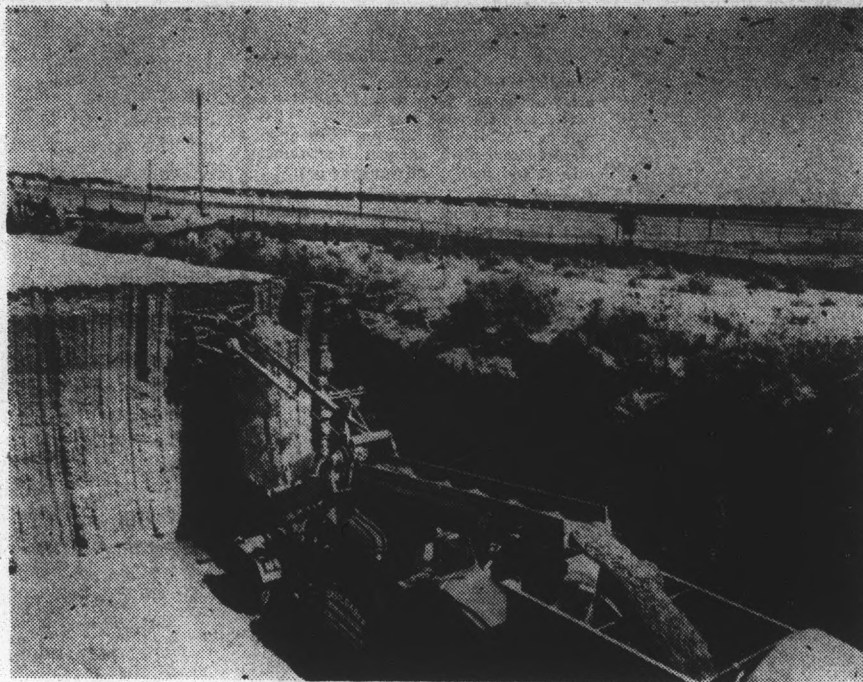
a man and team to supply fuel and water, a fireman, two men to manage the plows and one of the inventors. The operation was a success, but the patient wasn't too healthy.

Although there were many attempts at steam plowing and some partial successes during those years, with 13 patents granted in 1871 alone, 1876 is generally considered the birth date of the steam traction engine in the U. S. From

then until the farm tractor began to assert itself after the turn of the century, steam traction engines made a colorful contribution to the expansion of agriculture, particularly in the West where they pulled great gangs of plows to break the prairie sod.

The new gas traction engines which followed were lighter on their feet, more nimble and more efficient than their steam forebears. Still they were heavy and clumsy by today's standards. "Old No. 1" completed in 1901, weighed 20,000 pounds and was rated at 22-45 horsepower. The trend to lighter weight began almost immediately — in 1908 a single-cylinder machine was built weighing 10,000 pounds. Today, a tractor developing about 22 drawbar horsepower weighs less than 3,000

(Continued on Next Page)



NEW—This new machine loads can be mounted on any truck silage directly from a pit silo at chasis. Sold by the Porterville the rate of one ton a minute. It Farm Implement Company.

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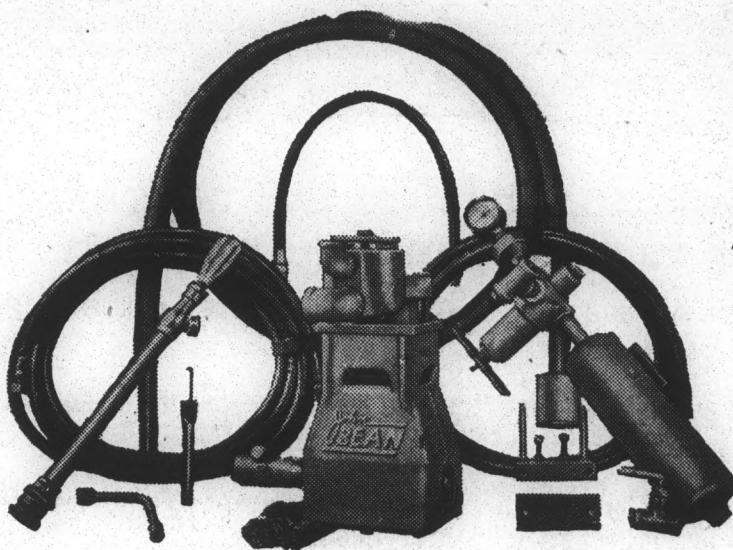
## New John Bean Pump Kit

IDEAL FOR

Row Crop - Orchards - Weed Control  
Cleaning - Fertilizing - Spraying  
Whitewashing - Fire Fighting

### Easily Attached

... on the tractor's power take-off shaft. Relief valve, gauge and air-chamber attach with slip-on bracket to fender. Also included is cut-off valve. Ordinary oil drum can be used as tank.



### FAMOUS BEAN ROYALETTE PUMP

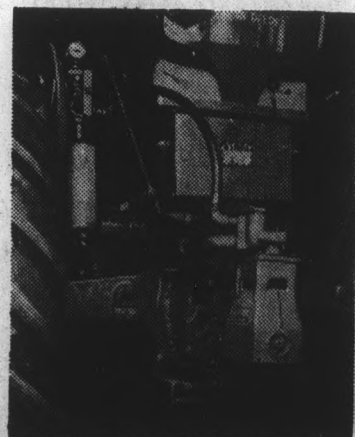
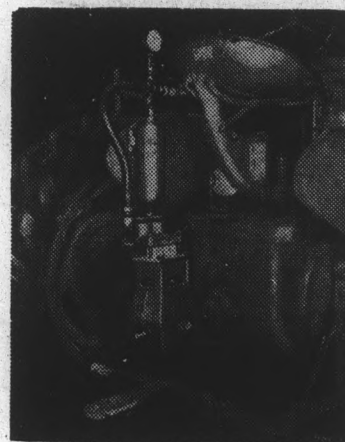
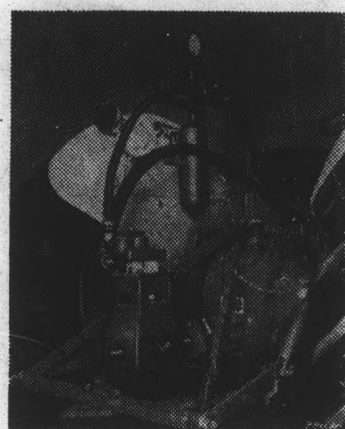
Famous "Royalette". Up to 400 lbs. pressure at 7 gal. per minute. Exclusive Sapphite, diamond-honed cylinder linings are so hard that plunger cups have prolonged life. Pump is completely enclosed and oil bath lubricated.

## FOOD MACHINERY & CHEMICAL CORP.

124 W. Apia

LINDSAY

Phone 2-2508







**SHIFT**  
to change speeds

**SHIFT**  
to reverse

**ONLY Simplicity**  
gives you positive gear drive with lever gear shift!

NEW for 55 SIMPLICITY 2½ H. P. Model — 6 Forward Speeds - Reverse

**\$229.00**

*attachments extra*

Simplicity — only garden tractor in its price and power range to provide positive gear drive with lever gear shift... PLUS patented "Quick-Hitch" for less-than-a-minute implement changes, year-round utility, and field-tested construction.

Compare price... compare performance! Feature for feature, Simplicity is America's biggest garden tractor value! Come in and see us soon!


5 H.P. MODEL V  
5 forward speeds  
and reverse —  
\$329.00\*

2 H.P. MODEL L-1  
5 forward speeds —  
\$169.00\*

\*attachments extra

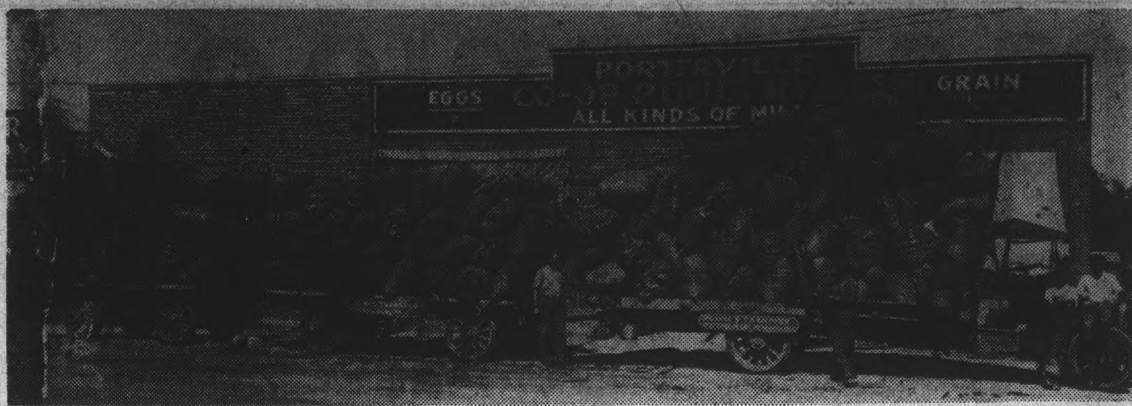
**AMERICA'S NO. 1 LINE OF GARDEN TRACTORS AND IMPLEMENTS**

**Simplicity**



**PORTERVILLE FEED & SEED**

D St. at Oak Porterville, Calif. Phone 41



THIRTY-FIVE YEARS ago, agriculture was beginning to be mechanized, as shown in the above photo of a truck and two trailer loads

of wool being weighed in Porterville at what is now Farmers' Feed and Poultry Exchange. In the photo are Walter Nance, James

R. (Jim) Moore, "Windy" Robson and H. Heard.

(Photo courtesy Rodgers L. Moore)

## MACHINES MAKE LIFE EASIER, YET CREATE MORE JOBS

(Continued from previous page)

The first track-type model was ready for sale in 1904. It "laid its own rails" in the form of track shoes made of blocks of wood and was the forerunner of present-day crawlers.

Tractor manufacturing as a large-scale industry is considered to have had its beginning in 1906, with eleven companies in the business. Their output in 1907 was 600 machines. By 1909, 31 manufacturers of tractors were listed in the industry's trade directory, and production totaled 2,000.

It took courage for a farmer to invest his money in one of those early models. He risked the taunts of his neighbors when it wouldn't start and he risked his arm every time he cranked it, particularly before the use of an impulse coupling for the magneto.

But progress cannot be stopped, and tractors became a little better every year. A model with frameless, or unit design, came out in 1913, and 1915 saw the introduc-

tion of the so-called motor cultivator. This was the beginning of the cultivator idea in farm tractors, but these two- and three-wheelers were designed for cultivation primarily, and were not too well adapted for drawbar work.

The period during and immediately following World War I, probably the real birth date of power farming, touched off a series of improvements. By 1918, tractors were "laid out on drawing boards" and "engineered" for mass production. In 1919, a built-in power take-off became available to operate tractor binders. This opened the way to an entirely new phase of tractor use — the operation of power-driven machines which now include corn pickers, balers, forage harvesters, combines, sprayers and many others. Starter and lights were available on tractors as early as 1920.

Two of the most significant of all tractor milestones came within the relatively short period of eight years — the all-purpose, or tricycle-type tractor in 1924 and in

1932 the farm tractor equipped with rubber tires. These two great steps of progress not only changed the course of the industry, but of agriculture itself. They laid the foundation for modern tractor farming as we know it today.

The tricycle-type tractor combined drawbar usefulness for the first time with the ability to do row crop work. It also served as an ideal carrier for many types of mounted and semi-mounted implements — cultivators and planters at first, and later, corn pickers, mowers, listers, bedders, lift plows and others.

Up to then, tractors were used mainly for plowing, disking and belt work while farmers kept most of their horses for the lighter jobs. This expensive duplication of power became unnecessary as farmers switched to all-purpose and other tractors. The horse population, which had reached its peak a few years earlier, started a decline which still continues. From a total of 23,285,000 horses and mules in 1924, the number has decreased every year and was listed at 7,463,000 for 1950. Modern farm tractors gave the farm work horse a needed rest.

(Continued on Page 9)

*Here's POSITIVE PROTECTION  
against burning out  
3-phase electric motors!*

### NEW DEVICE AUTOMATICALLY CUTS OFF ANY THREE PHASE ELECTRIC MOTOR TO PREVENT EXPENSIVE BURN-OUTS

To date, no electric motor protected with the guard — has burned out due to SINGLE PHASING — THE MOST COMMON CAUSE OF MOTOR BURN-OUTS.

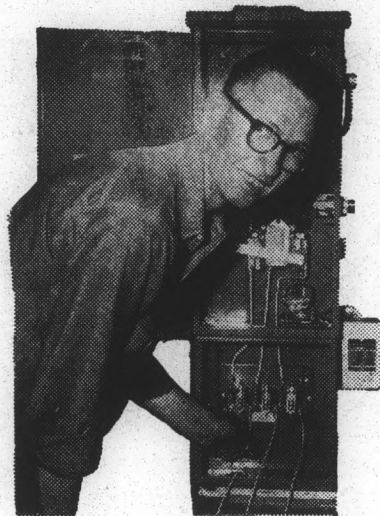
**WHAT IS SINGLE-PHASING?** Single phasing is caused by a burned out fuse or open circuit due to transformer failures or insects on contact points.

**WHAT DOES THE GUARD DO?** It protects instantly! Motor is automatically shut off and cannot be started until condition is corrected. It is IMPOSSIBLE TO BURN OUT THE MOTOR.

**IS THE GUARD AFFECTED BY TEMPERATURE?** No! It responds in all climates — It's rust, insect and corrosion proof.

**IS IT DIFFICULT TO INSTALL?** No, it can be attached to any standard control panel in a few minutes.

**IS IT GUARANTEED?** Absolutely!



NEW INVENTION BY W. J. TURNUPSEED, OF PORTERVILLE, EXPECTED TO SAVE FARMERS THOUSANDS OF DOLLARS.

W. J. Turnupseed has been specializing for the past 26 years in the rewinding of electrically powered agricultural pumping equipment and heavy industrial motors at his place of business in Porterville. In all, he holds three distinct patents for protective devices to save farmers thousands of dollars in repair bills and time lost in breakdowns.

His latest development is known as the "TURNUPSEED PHASE FAILURE GUARD" and is the result of many years of research to perfect a unit that would be simple to install, inexpensive to buy and yet give foolproof and instantaneous protection against the most common of all causes for motor burn-outs, single phasing.

According to the inventor of the guard, one of the most frequent reasons responsible for single phasing are insects, who for some unaccountable reason find control boxes ideal to hibernate and build their homes. "These pests", says Mr. Turnupseed, "cost the farmers thousands of dollars each year by causing single phasing conditions in their starting equipment."

Manufactured by  
**TURNUPSEED ELECTRIC MFG. CO.**  
202 WEST OLIVE PORTERVILLE, CALIFORNIA



## Use Of Anhydrous Ammonia Allows Continued Planting Of Field Corn Without Usual Crop Rotation Plan

Midwest corn farmers have adopted anhydrous ammonia for use as fertilizer in corn production. This liquified gas, which is almost 83 per cent pure nitrogen, was given an auspicious start in California and recently has been sweeping the middlewest.

The midwest corn farmer has found that by using the gas he can grow corn year after year on the same land and can get away from rotation. He finds that the system of a continuous corn program provides the soil with more humous than the old system of plowing under legume pastures, every third or fourth year, providing, of course, they apply plenty of the commercial

fertilizer. It is estimated that each pound of nitrogen applied adds 20 pounds of organic matter to the soil.

Application of the gas is achieved with special applicators that inject it into the soil where it is instantaneously fixed by the soil. When the soil warms up to 50 degrees or better the ammonia nitrifies and becomes available to the plants. In addition to its fertilizer value, it is also a soil conditioner. Ammonia is a solvent for organic matter and redistributes it sufficiently on the surfaces of the mineral soil particles to form "water-stable" aggregates or granules, thereby improving the structure

of the soil.

It has been found that different types of soil require special applications, such as sandy soils where it is best to withhold the ammonia until after the plants are established due to the leaching qualities of this type soil. On heavy clay soils, unless there is an abundance of organic matter within the soil structure, the ammonia is apt to cause a stickiness.

When applying ammonia the gas often diffuses an inch or so on each side of the injector knives. This means that when you are applying 60 pounds of  $NH_3$  per acre placed by injector knives spaced 16 inches apart, the rate of application is actually as high for a distance of an inch around the point of application as 600 pounds of nitrogen per acre. For this reason the sweep type tips for injector knives will no doubt be popular and more effective.



RECENT DEVELOPMENT to aid with great accuracy. This equipment farmers is the above precision planter, that places seed at planting of other types of row any desired depth and interval crops. (Farm Tribune Photo)

**THE BIGGEST  
STEP FORWARD YET  
IN  
TRACTOR ENGINEERING!**

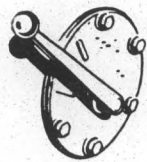
**THE BRILLIANT NEW  
FERGUSON 35**

**with 4-WAY WORK CONTROL!**



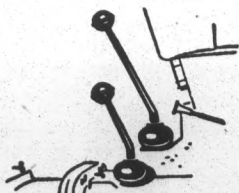
### QUADRAMATIC CONTROL

For Lift control, double-acting Draft control, Response control and Position control.



### THE NEW VARIABLE-DRIVE PTO

Provides drives in ratio to tractor ground speed, or to tractor engine speed.



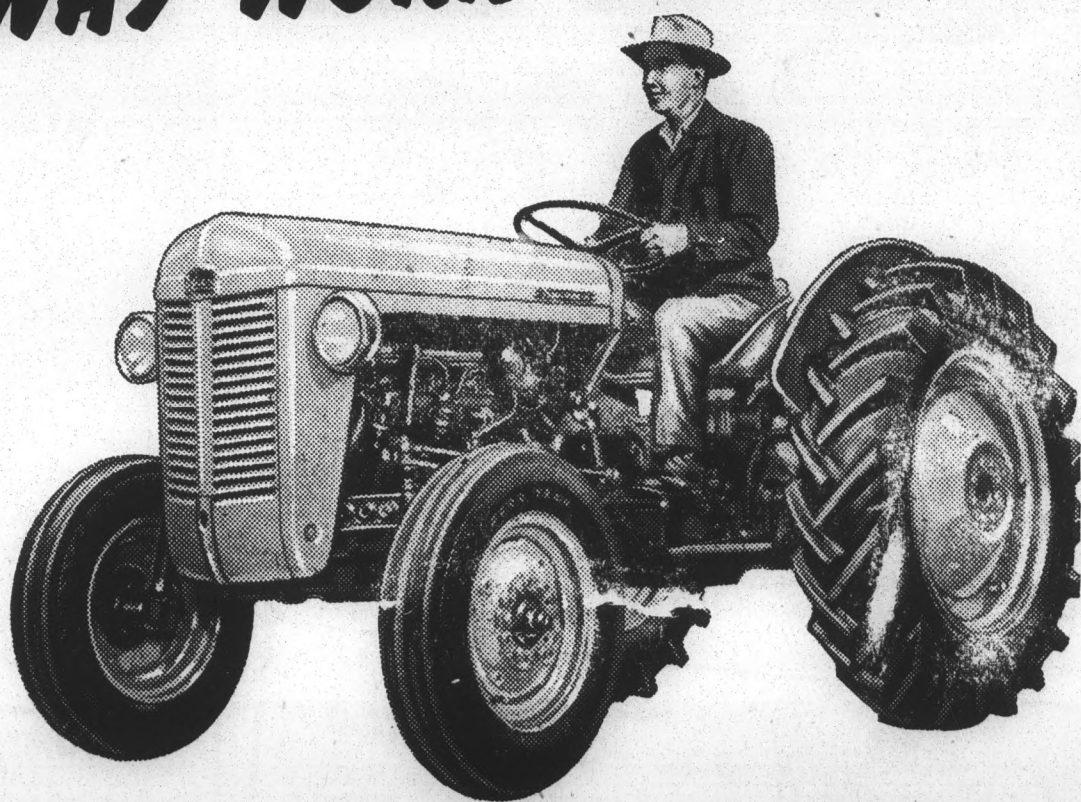
### NEW DUAL-RANGE TRANSMISSION

Provides six forward, two reverse speeds; fits tractor speed exactly to the work.



### NEW "2-STAGE" CLUTCHING

Controls tractor movement and live PTO with one foot pedal.



GET YOUR "SHOWDOWN" DEMONSTRATION FROM

**WEISENBERGER'S  
FARM SUPPLY**

1231 West Olive

PORTERVILLE

Phone 1790

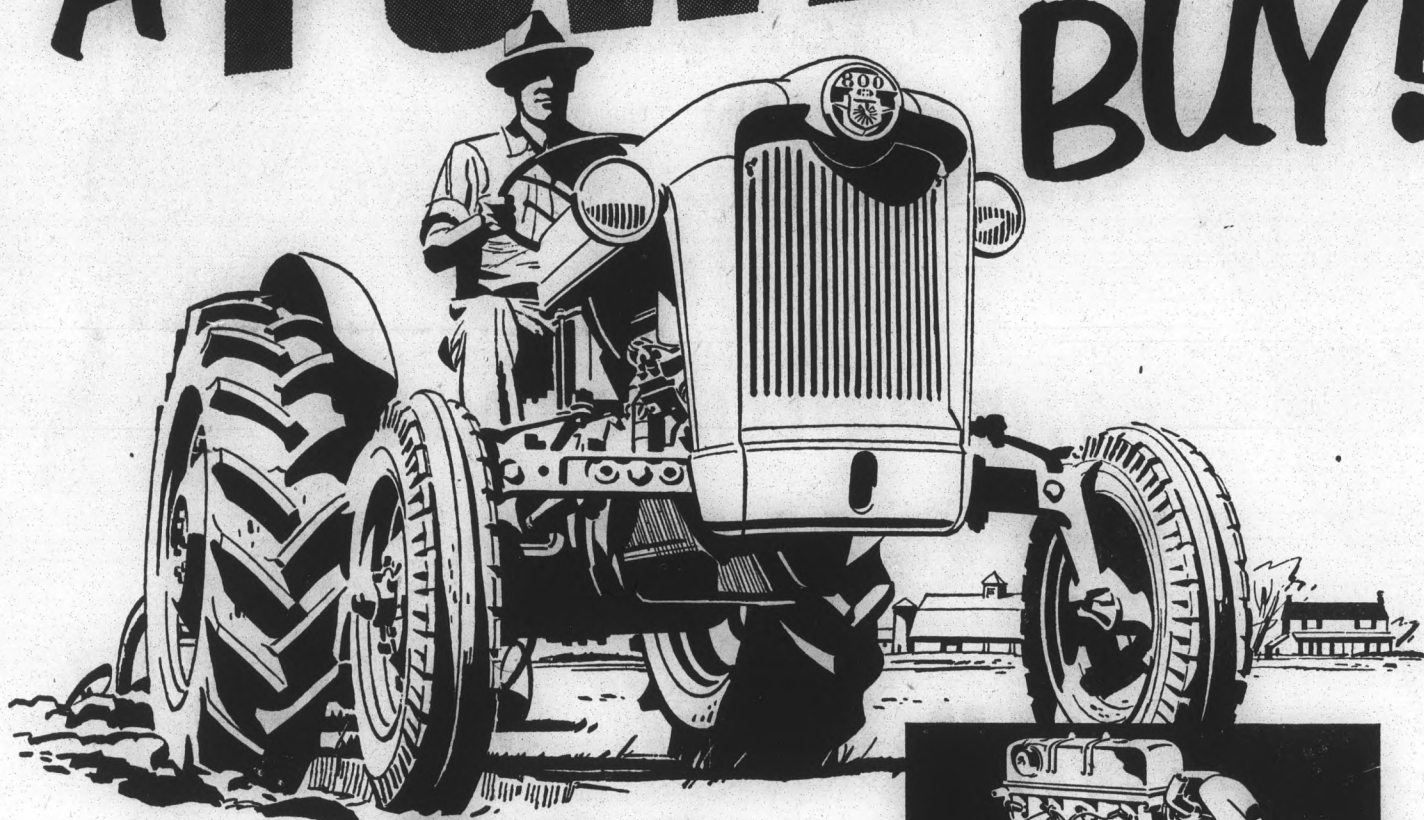




PLUM GRADER with a future highly successful results when the machine was put into operation last year. Suitable for use in a building or in the field, the grader takes out dirt and leaves, and, by operation of a series of mov-

ing cables, set at varying widths, plums are dropped into boxes on a basis of size. "Fingers" on the grading table cause plums to turn, thereby increasing accuracy of graded size. The grader was built by Ernie Thompson, of the Strathmore Machine Works, who for many years has manufactured agricultural equipment of his own design and invention. In the left photo are Frank Janoko, Barbara Milinich, Mike Janoko and Joe Slate; center photo shows plum going through the grader, and right, Mr. Berkovich, the inventor. — (Farm Tribune photos).

# A POWER-ful BUY!



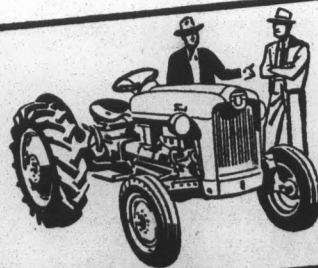
## NEW 800 FORD TRACTOR

Thirty percent more powerful than any previous Ford Tractor—that's the 800 series. The two available models are loaded with performance and operating features to help you farm better, faster and cheaper.

**FULL 3-PLOW POWER.** Here's extra power to handle bigger tools, do your work faster—all with amazing economy!

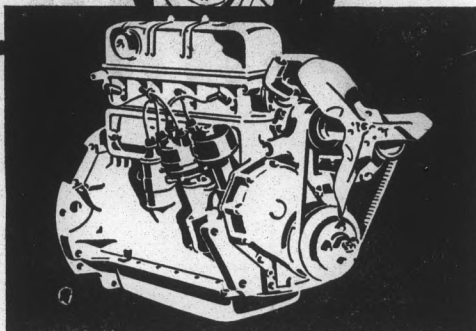
**IMPROVED HYDRAULIC SYSTEM.** More hydraulic power to handle work loads easier, control mounted implements with ease.

**PLUS**—headlights and tail light as standard equipment . . . 5-speed transmission . . . adjustable top link for easy implement adjustment . . . live power take-off on model 860 . . . Rest-O-Ride seat . . . large capacity brakes . . . safety starter . . . Proof-Meter . . . and more.



### See the new 600 FORD TRACTOR

Here's full 2-plow power with economy . . . plus many advanced Ford features. Three outstanding models for you to choose from.



### Ford's new, more powerful "RED TIGER" engine

All of Ford's experience and skill gained in building more than two million tractor engines accounts for the advanced design of the new, more powerful "Red Tiger" engine. It's 30 percent more powerful than any previous Ford Tractor engine, yet is surprisingly economical to operate. Low friction results in more engine power delivered to the job.

### COME IN SOON

Find out how easy it is to own an 800 or 600 Ford Tractor.



## BILLINGSLEY & ELLIOTT

TRACTOR SALES

1433 N. Main

PORTERVILLE

Phone 1338



### IRRIGATION STEPS UP PRODUCTIVITY

Irrigation has stepped up the productivity of one in every 18 farms in this country. At an estimated capital investment of two billion dollars, over 26 million acres of the nation have been put "under water". True, this is only two to three per cent of the total farm land, but it produces 18 per cent of our cotton, 30 per cent of our alfalfa hay, 40 per cent of our vegetables, 54 per cent of our dry beans, 81 per cent of our sugar beets and all our rice.

During the next few years, irrigation will bring about more changes in production on our farms than any other single factor. Formerly considered practical only in arid areas, it is now moving even into semi-humid states where rainfall was once thought adequate for most crops. And it's paying off, because it results in far greater financial returns from fertilizer, seed, machinery and labor invested in the land.

Today, more than 94 out of 100 acres under irrigation are in the West, with 25 per cent of all these irrigated acres being in California. From this western region comes a tremendous share of the fruits and winter vegetables that find their way to our dining room tables. Without water, this land would be useless. Watered, it is among the most valuable land in the United States: bare land sells for \$300 to \$2,000 an acre; good citrus acreage often goes as high as \$5,000.

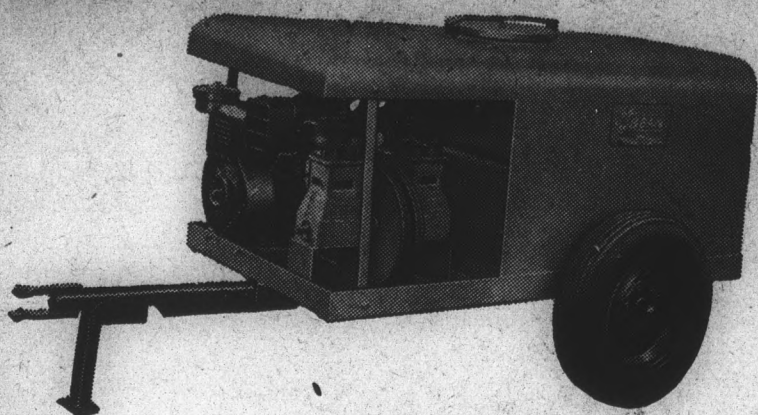
Irrigation means new farms and new communities. In the Columbia Basin of Washington, for example, sage brush and sheep trails have given way to irrigation ditches, heavy farm equipment, beans, potatoes, grain, sugar beets and alfalfa. Homes, businesses, families, whole new towns are springing up — all the result of irrigation which enriches not just one region but our whole country.

Bulk feed storage for poultry is proving an efficient and important labor-saving method of operation.

Dairymen are now using about 730,000 milking machines in America; back in 1925, they were using 55,000.

Farm Tribune Ads Get Results





NEW—This new machine loads silage directly from a pit silo at the rate of one ton a minute. It can be mounted on any truck chassis. Sold by the Porterville Farm Implement Company.

## PROPER STORAGE PROCEDURE WILL CUT DEPRECIATION ON MACHINES WHILE OUT OF USE

When machines are put out of use for several months, it is important that proper storage steps be taken. This is particularly true of gasoline and diesel power units. A gasoline or diesel engine standing idle for 30 or 60 days or more, won't change much externally. Internally, however, normal wear has stopped, but other processes are in action that may be more conducive to reducing engine life than its normal operating wear.

An engine that has been unused and unprotected for a couple of years will often be rendered completely useless by weather and corrosion damage. Moisture condensation in the combustion chambers causes rusting which freezes the pistons tight in the cylinders. Similar condensation in the crankcase, if used oil is left in the engine, forms acid that eats into bearing shells. Water left in the cooling system contributes to rusting in the engine and plugs the cooling

passages. Residue from gasoline left in the carburetor often plugs carburetor jets. The battery deteriorates beyond repair.

While this is a rather extreme case, in that most engines are not allowed to stand for such a long period of time, it illustrates processes and results that tend to develop in all engines in storage. In the more usual cases, loss of engine life from internal damage may not be severe enough to prevent operation of the engine and therefore may not be detected. It is very likely though that the results of storage will be made apparent by the time and expense that is necessary to overhaul the electrical and fuel systems before the engine can be started and used.

To avoid shortening engine life, and to assist in getting efficient operation when it is put back in service, here are some recommended practices to be used.

Clean the outside of the en-

gine and paint or cover all bare spots with a rust preventive. Drain the crankcase, clean or replace the oil filter and refill the crankcase with new oil. The engine should then be operated long enough to oil all working parts. The gasoline should be drained and the fuel system flushed and operated on unleaded fuel during the above 10-minute run. The remaining fuel should then be drained from the fuel tank, fuel lines and carburetor. Leave the drain cocks open for a few days to allow any remaining fuel to evaporate and then close them to keep dirt and moisture from entering the system.

Next, the radiator should be drained and flushed with a radiator cleaner, the cooling system should be drained dry and the drain plugs left out. (Be sure and attach a note to the starter indicating that the engine has been drained). Remove the spark plugs and while the engine is being turned over by hand, put about four tablespoons of heavy oil into each cylinder. If the engine is equipped with a storage battery, the battery should be removed, brought to a full charge and stored inside a cool, dry place. Once a month it is advisable to check the condition of the battery and recharge if necessary.

Lubricate distributors, magnetos, and starting motors and generators according to manufacturers instructions and cover with waterproof paper. Seal all openings and intakes, such as air cleaner, engine exhaust and crankcase breather pipe.

Finally, check with your local dealer for the care and storage of any special equipment not covered in your regular operating manual.

Say You Read It In  
THE FARM TRIBUNE



Pick and Shell your corn in one trip through!



## UNI-PICKER SHELLER

Now, do your corn harvest in *days* instead of weeks, and haul your corn from the field already shelled. The Minneapolis-Moline Uni-Picker Sheller attachment for the MM Uni-Tractor gives you a compact, self-propelled harvesting unit that does your corn harvest in one fast trip through the field... cuts harvest time... cuts costs... gets top value from your crop.

### GET YOUR CORN CROP EARLIER

With the MM Uni-Picker Sheller, you can pick and shell corn with up to 25% moisture content. You harvest your corn earlier, while the stalks are still standing... before there is wind or corn borer damage.

### PROFIT BY THESE MM ADVANTAGES

- QUICK, EASY MOUNTING ON THE UNI-TRACTOR
- LARGE SHELLING CAPACITY—REDUCED CRACKING OR BRUISING OF KERNELS
- POWERFUL CLEANING FAN FOR CLEANER, DRYER CORN
- 37-BUSHEL GRAIN TANK—HIGH SPEED AUGER UNLOADER

Stop in and get the facts on how you can save and profit by harvesting your corn with the one-trip MM Uni-Picker Sheller.

# EL Machinery Co.

416 S. Hockett — Porterville — Phone 550

# Strathmore Machine Works

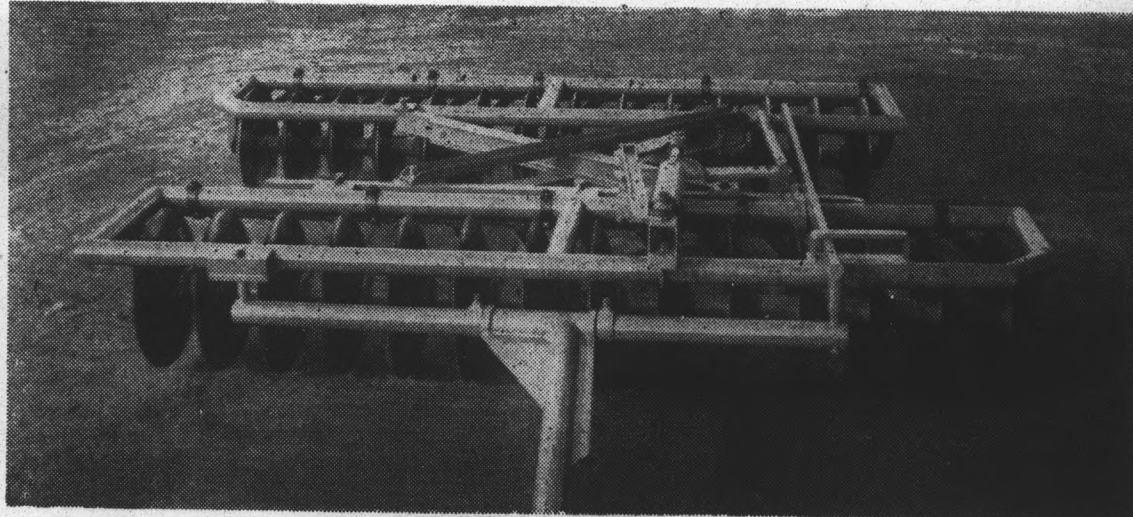
## Manufacturers - FARM IMPLEMENTS

Strathmore, California

Phone: Lindsay 8-8584



14' ROTARY HARROW IN CITRUS GROVE  
Available from 6' to 16', Drag or 3 Point Lift Type



10' 6" MODEL B STRATHMORE DISC  
Available from 4' 6" to 24' in Solid Frame — Hydraulic controlled

ROTARY HARROWS FOR ALL TYPES FARMING — KARY LIFT TRAILERS, STRAW CHOPPERS, ROADSIDE DISCS, SCARIFIER DISCS, SPRINGTOOTHs, FORD SPRINGTOOTHs, UNI-BLADE. STRATHMORE OFFSET DISCS NOW AVAILABLE IN 3 FRAME MODELS.

**AGENTS THROUGHOUT THE WEST**



## Fuel To Power Your Tractor Should Be Selected On A Basis Of Work Hours And Job To Be Done

By far the greatest operating expense in farming is the fuel you buy for your tractors. Of these fuels, gasoline is the commonest, used in four out of five of the nation's tractors.

However, there are some logical reasons why it might not prove to be the cheapest in your particular operation. In fact, you may be able to save money in tractor fuel cost and maintenance by using manufactured gas or diesel fuel if the number of tractor hours per year are sufficiently great enough to make the change. Your implement dealer has charts available showing which method is best applicable to your farm operation, so it is important that you consult him about the three fuels at the time of purchase.

Gasoline is made from crude petroleum, is of medium weight and contains properties that make for ease of handling and use. It is readily obtainable and flexible enough to be used in various phases of farm work, but it is also the highest in price. Tractors equipped with gasoline engines can generally be purchased at a lower initial cost than those using LP gas or diesel, but in large operations have been found to be more expensive per horsepower of work.

LP gas is a by-product of natural gasoline obtained in the re-

cycling process. It is liquified under pressure because of its unstable vaporizing qualities, and therefore must be handled and stored according to manufacturers' specifications. This can be a big factor in cost consideration. Although its high octane rating gives smooth performance, resulting in larger engine life and low cost maintenance, its horsepower hours of work are less than those of gasoline because of its lighter weight.

Diesel fuel is the heaviest of the three and has a good high compression efficiency. It is also the cheapest per horsepower-hour of work. However, the initial cost is somewhat higher, as is the maintenance cost, and in order to show an overall operating saving, diesel equipment must be used at substantially greater number of work-hours than gasoline or LP rigs.

Though various methods can be used to make comparison cost tests of the three, here is one recommended by Minneapolis-Moline engineers.

Take the present number of gallons of gasoline used in a year and multiply by the price per gallon after tax rebate. Then if you want to compare with diesel, take the amount of gasoline gallons times 60 per cent times the price of diesel per gallon to give the probable yearly cost. To check

LP gas, multiply the same number of gasoline gallons times 112 per cent times the price of LP gas per gallon.

Savings realized on the differential in fuel prices are the biggest factor in fuel comparison, but maintenance and overhead charges must be included to give total expected savings in annual cost.

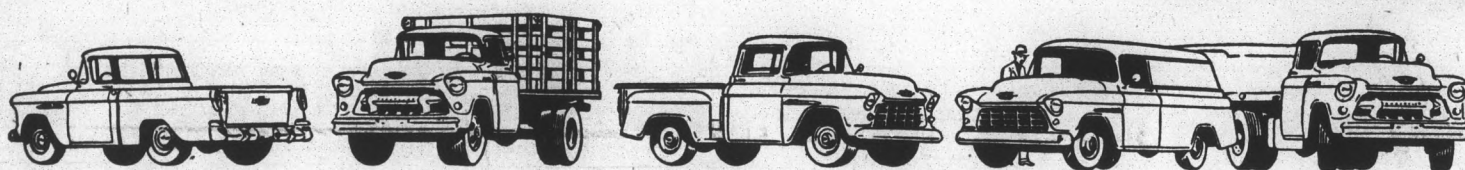
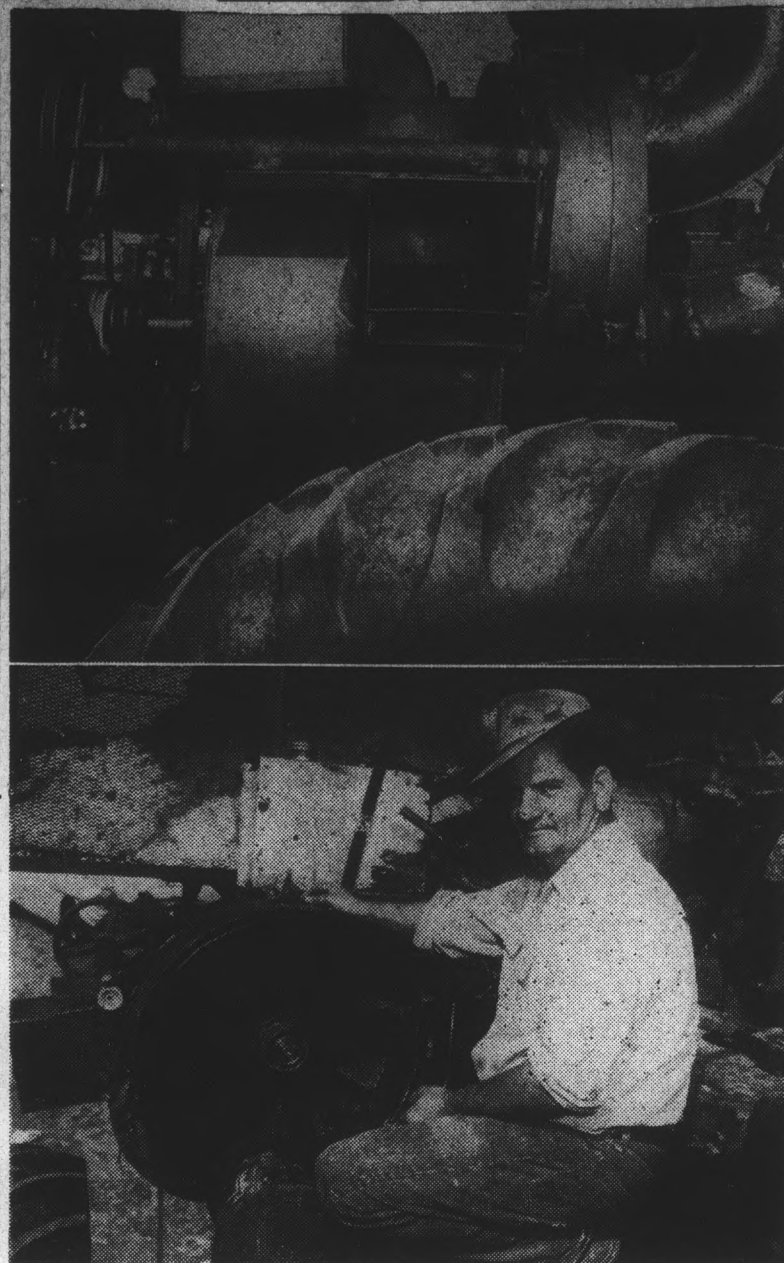
For diesel tractors, repairs and maintenance will be about 2 1/2 per cent of the diesel tractor list price more than gasoline for every 1,000 hours of operation. Maintenance on LP gas tractors are approximately 1 per cent of list. Depreciation, interest and taxes must also be computed in the over-all estimate of savings because of the difference in purchase price of the three engine types.

### Even Vegetables Are Mechanized

A recent report from the county farm advisor's office stated that California vegetable growers are behind Eastern states in vegetable harvest mechanization.

Florida has a harvesting machine that cuts, trims, washes and crates celery in the field. A radish harvester in one of the eastern states pulls, tops and washes the radishes.

They attribute this situation partly to smaller acreages there. One solution would be smaller machines to fit our conditions. The competition of industry and subdivision for land has pushed some of our best vegetables to a price which makes it impossible to combine smaller units into single large tracts.



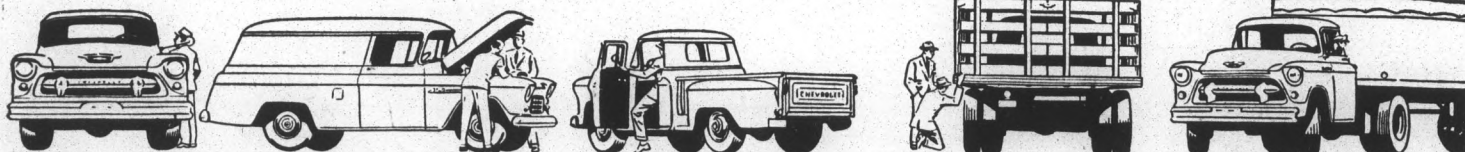
*New from the drawing board out!*

## NEW CHEVROLET *Task-Force* TRUCKS

*America's leading truck builder went all-out to bring you the most modern trucks on any job—with all these trend-starting advances!*

These are the trucks that started out fresh on the drawing board months ago—the great new Chevrolet Task-Force Trucks! Now they're here—ready to roll on your hauling or delivery job . . . ready to make or save you money . . . ready to shorten your schedules . . . to make the driver's job lighter, his efficiency greater than ever before!

Whatever your task or trade, there's a new Chevrolet truck made to match it with the most modern engineering features in the industry. From engines to rear axles, from cabs to tires, you get a whole truckload of new advances in new Chevrolet Task-Force trucks! You can read about some of them here. Then come in for the whole story.



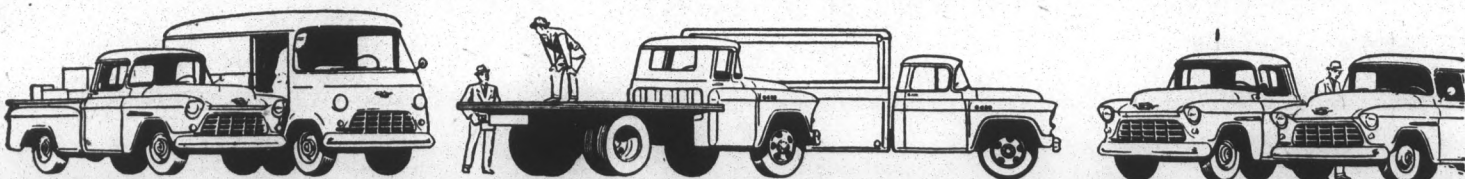
**Work Styling**—a new approach to truck design! Two distinctively different styling treatments—one in light- and medium-duty models, another in heavy-duty!

**Six powerful new "high-voltage" engines!** With a modern 12-volt electrical system for increased generator capacity—plus many other new advances.

**The last word in cab comfort and safety!** New Sweep-Sight windshield for increased visibility. A new concealed Safety Step that stays clear of snow or mud.

**New capacity—up to 18,000 lb. G.V.W.** Offered in 2-ton models! This means you can do a lot more work on heavy hauling jobs with real savings.

**New more durable, standard-width frames!** New frames are of 34-inch width to accommodate special body installations. And they're more rigid!



**All models available with new Power Steering!** New Chevrolet Power Steering cuts turning effort up to 80 per cent . . . cushions road shock. Optional at extra cost.

**You can have new Overdrive or Hydra-Matic!** Overdrive is optional on 1/2-ton models; truck Hydra-Matic on 1/2-, 3/4- and 1-ton models at extra cost.

**Power Brakes standard on 2-ton models!** This great power helper is yours at no extra cost on 2-ton models! Optional at extra cost on all other models.

**Tubeless tires standard on 1/2-ton models!** New tubeless tires give you greater protection against a blowout . . . deflate more slowly when punctured!



*Come in and see the newest things in trucks!*

**Weymouth Chevrolet Company**  
157 NO. MIRAGE  
LINDSAY, CALIF.

**"You, Too, Will Like Our Service"**

IMPROVEMENT OF grade for machine-picked cotton has resulted from a new invention by Ed Burns, Porterville district cotton farmer. The "Burns Blower" represents a new method of transporting cotton from the spindles of the picking machine to the basket. The unit is mounted on a conventional cotton picker, with top photo showing exhaust vent and belt drive; lower photo shows Mr. Burns in front of revolving screen (cover removed) on which cotton is caught as it comes from the spindles and from which it is blown on into the basket. Advantage of the invention is that it transports cotton entirely by air, eliminating the "beating" action of standard equipment. With the Burns Blower, waste material is taken out of the cotton by exhaust action and cotton goes into the basket clean and fluffy. The attachments worked out well in field operation during the past season, and Mr. Burns now plans to produce his invention on a commercial basis. (Farm Tribune photo).

### Trucking Business Important To Economy

The trucking business has muscles. The U. S. has over 10 million trucks and trailers in service. This business has an impact on the economy in more ways than one but for 1953 they spent \$32 billion on such things as wages, equipment, fuel and other goods and services, which at the time was one-twelfth of the gross national product.

Going back to 1953 again we note that California leads all states in truck registrations with 736,140.

It seems like everyone seems to enjoy boasting about how much taxes he has to pay and the American Trucking association is no exception. They put out \$1,736,643,000 in taxes in 1953, which is a powerful lot of money.

Chemical treatment to kill foothill trees and brush by airplane in Tulare county is showing considerable promise.



# MECHANICS

CHANGE MUSCLES TO MOTORS

(Continued From Page 4)

It was the modern farm tractor with these special low-pressure rubber tires which did more than any other one development to end the plodding stage of agriculture. Compared to steel wheels, the speed of most field operations was 25 to 50 percent faster on rubber. As one agricultural engineer put it, rubber tires allowed the tractor to roll so easily that drawbar power of the same tractor was increased 20 to 25 percent — with a saving up to 25 percent on fuel. That was a tremendous bonus for tractor farmers.

Compared to horses, the rubber-tired tractor enabled the farm operator to more than double his accomplishment in the field. The Iowa State Experiment station found in 1936 that farmers with two-plow tractors were growing and harvesting 100 acres of corn with 51 days of field work, compared to 141 days with horses. The rubber-tired tractor gave its owner time to enjoy life as well as to

farm.

Meanwhile, there were other important milestones. Track-type or crawler tractors which have been called on to overcome special soil conditions, introduced the advantages of diesel operation to the farm field in 1931. Later, some wheel tractors were also powered with diesel engines.

On the other side of the fuel picture, manufacturers began equipping tractors for high compression in 1935, taking advantage of the improved leaded gasoline which had become available. Factory-built LP gas tractors were introduced in 1941 to burn liquified petroleum gas (butane-propane).

Beginning in 1930, farm tractors were equipped at the factory with power lifts to ease the operation of mounted implements. Hydraulic lifting equipment began to come into use during the mid-thirties.

Right after World War II, in 1946, the transmission clutch appeared, giving the tractor operator a live power take-off, enabling

him to operate power-driven machines independent of forward motion. Another postwar development was the rear-engine tractor with tool bar implements mounted in front of the engine.

Farmers today have a broader choice of sizes and types of tractors to meet their individual needs than at any time in history. As a result, the advantages and benefits of power farming are now available to all.

The human mind can hardly conceive the effect on our way of life of this vast resource of productive power. First of all, it means abundance. According to the Bureau of Agricultural Economics, farm production increased twice as much during the relatively short period of 1937 to 1944 as in a 16-year period prior to World War II. "This," the Bureau points out, "was accomplished without significant expansion in the acreage of cropland." Farm output for 1948 was estimated at 140 percent of the prewar 1935-39 average.

This bumper production was accomplished with an actual decrease in man labor. Between World Wars I and II, the number of man-hours, per crop year was reduced about nine percent, while agricultural production went up 29 percent. But this was only part of the effect, since a greater share of our farm output went for human food — the result of shifting production from horse and mule feed to human use. The result was 51 percent more human food with nine percent fewer man-hours. It is estimated that an hour of man more food for human consumption during World War II than in World War I — and the trend to greater efficiency still continues.

No thinking person would be so rash as to predict that crop failures are a thing of the past in America, but certainly, the danger has been greatly lessened with power machinery. A good example is the way Corn Belt farmers overcame the handicap of extremely wet springs in 1943, '44 and '45. In the corn-planting month of May, 1943, for example, 8.75 inches of rain fell in Illinois. Only 15 percent of the crop had been planted by June 1. Without modern power equipment, the situation would have been hopeless and the corn crop a failure.

With tractor equipment working day and night, seedbeds were prepared and planted at three times the rate of horse-drawn equipment — and completed by June 15. Result — the biggest corn crop Illinois had ever produced up to that time. Every year, farmers somewhere must contend with adverse weather conditions.

A second basic effect of farm mechanization on our national standard of living is that it permits us to use more of our labor supply for producing other goods and services. In Colonial days, some 85 percent of all available man power was required to till the soil with hand methods, just to provide the raw materials that went into food and clothing.

Today the percentage is reversed — 15 percent of our working force does the farming with the aid of modern labor-saving, cost-reducing equipment. This allows the other 85 percent to supply the goods and services which have come to be a part of the American Way of Life — the highest

transportation facilities—to name only a few.

But, the greatest contributor of all to agricultural progress has been the farm tractor and the equipment it operates. To a marked extent, the benefits of the other contributions could not have been realized without the farm tractor.

More than any other single factor — in agriculture, in industry, in government, in our social structure or anywhere else — the man with the farm tractor has made America a Land of Plenty!

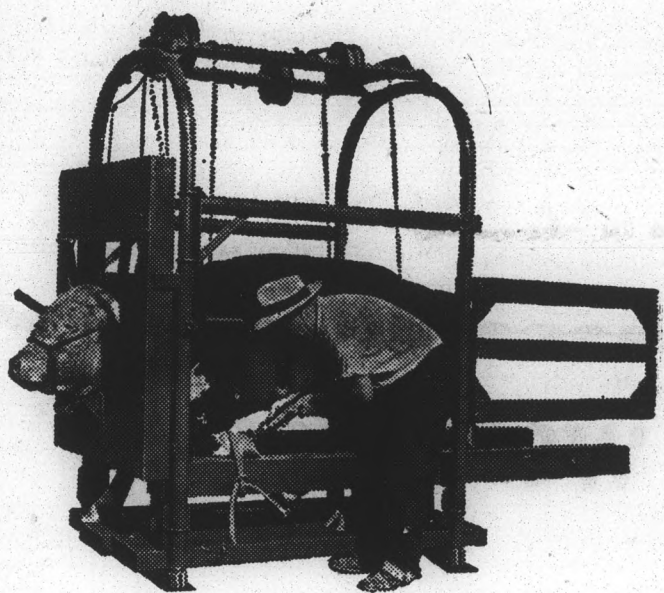
Twenty-second Annual Poly Royal is set for April 29 and 30 at California State Polytechnic college in San Luis Obispo.



FORERUNNER OF today's modern power was this "steam wagon", operated by the Young Brothers around the turn of the century to haul lumber in the Springville area.

The wagon tore up roads and caused horses to run away, but foreshadowed the modern day of truck and tractor power.

(Aubrey M. Lumley Jr., photo)



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# VICTORY

OVER FAMINE

(From Farm Equipment Institute)

Of the Four Horsemen of the Apocalypse — War, Famine, Pestilence and Death — who have ridden roughshod over humanity since the beginning of time, the most dreaded and feared is undoubtedly Famine.

As one writer expresses it, "In all the years of history, famine has watched over man's shoulder each morning as he said his prayers, walked with him by day as he went about his work and laid down with him at night."

Famines are mentioned frequently in the Scriptures: "And there was a famine in the land, beside the first famine that was in the days of Abraham." One early historian recorded 350 major famines, but explained that the listing was incomplete because such occurrences as starvation and famine were considered too commonplace to merit attention.

Here in this favored land of plenty, it is difficult to realize that hunger and want are still man's daily companions on vast areas of the globe. A world food survey just before the beginning of World War II revealed that at least five out of every ten people, taking the world as a whole, were ill-fed — that more than a billion human beings never get enough food for health, growth and vigor. Another two out of every ten were found to be on borderline diets, leaving only three in ten who could be considered well-fed.

Why, should America be so fa-

vored in this eternal struggle for daily bread? Is it because we have more fertile soil? Actually, our yields per acre are somewhat lower than those of other continents. Is it because we have more land? The United States has about seven percent of the world's people and six percent of its land, which makes us about average in terms of land per person. How then are we able to produce so much more food per capita population than other parts of the world — twice as much grain per person, for example, as South America and more than three times as much as Asia?

The answer is high production per farm worker! In this country, productive power per man is multiplied through the use of modern farm equipment. Instead of producing the energy to do the work, the American farmer makes use of mechanical energy. He is a director of power, not its source.

It is estimated that each agricultural worker in the United States today produces enough food and fiber to support at least 18 persons. That is more than three times the number he could support before the invention of the steel plow and the reaper. In Colonial days, it took 85 percent of our working force just to produce the farm crops necessary to a meager existence; today, 15 percent produce food and fiber for all, plus a major share of the raw materials used by industry — and consumption per person is

much higher.

Actually, the job is much easier for the 15 percent who do it today because each farm worker has an estimated 35 horsepower at his command. In 1920 he had only 5.3 horsepower and in 1870, only 1.6 horsepower.

Efficient equipment in the hands of free farmers is the best insurance against hunger and want. If farmers everywhere could be blessed with the know-how, the freedom and the machines so typical of America, the hunger and famine which have stalked mankind since time began might well become only a memory.

## Crop Production Changes More In 20 Years Than In 5,000

"Could a farmer of the Pharaohs' time have been suddenly reincarnated and set down in our grandfathers' wheat fields, he could have picked up the grain cradle and could have gone to work with a familiar tool at a familiar job.

"And then, within the space of 20 years, the methods of crop production underwent greater changes than they had in the previous 5,000 years. At one stride, we covered ground where 50 centuries had left almost no mark."

W. M. Jardine, United States Secretary of Agriculture, 1925-29, made this statement. It pretty well summarizes the history of farm mechanization.

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★ ★ ★

In fact, acceptance has been so great that we are barely able to meet the demand. However, production has been stepped up, and we expect the supply shortly to meet the demand.

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## **USE OF BULLDOZER FOR BRUSH CONTROL WILL BE DEMONSTRATED AT TULARE COUNTY RANGE FIELD DAY ON MAY 12**

Use of bulldozers to crush heavy brush, preparatory to control burning on foothill range land, will be demonstrated at a Tulare County Range Field day to be held Thursday, May 12, at the Keith Manley ranch in Eshom valley.

Also to be demonstrated are: Chemical control of trees and brush regrowth; range reseeding and fertilizer trials and a comparison of perennial and native annual grasses.

Speakers for the field day program will include: Professor Ben Madsen "Range Improvement Pays Dividends"; Dr. Oliver Leonard, "Use Of Chemicals For Tree and Brush Control"; and James Myler,

## **TRANSPORTATION OF EMPLOYEES HAS PROBLEMS**

If you transport farm workers, the state division of industrial safety sets down the following requirements:

Trucks used for regular transportation of employees should be constructed for that purpose, with seats and rails on all four sides; brakes shall be tested and tailgate shall be closed and fastened during movement.

All persons transported shall be seated; no one shall ride on top of loads that might shift; all loads shall be secured against displacement.

If employees are transported in a dump truck, body of the truck must be locked in place.

"Results Of The Manley Range Demonstration Project." All speakers are from the University of California.

Field tour will meet at Badger post office, on highway 65, at 9:30 a.m.; noon luncheon will be served at the Manley ranch headquarters, with directors of the Badger Range district as hosts; the program is being sponsored by the Agricultural Extension service.

For five years the University of California has been working on the Manley ranch project to develop and demonstrate approved practices in reclaiming brush-covered foothill range land. All interested ranchers are invited to attend the field day program.

In 1870 the commissioner of agriculture reported that a man with a hand hoe, aided by a horse "for plowing furrows between the rows" could cultivate an acre a day.

Aside from the sickle, which dates back to at least 3,000 B. C., there was little mechanization of harvesting until the middle 1800s.

A heavy-duty chisel to penetrate and break up the subsoil on irrigated land, was developed on the Pacific coast about 1895.

## **MACHINES MAKE LIFE EASIER**

There's a strange thing about machines. Although they save labor, make life easier for us and give us leisure time, they actually create jobs.

That is the Miracle of America. The machine is our secret weapon. Mechanization makes us strong.

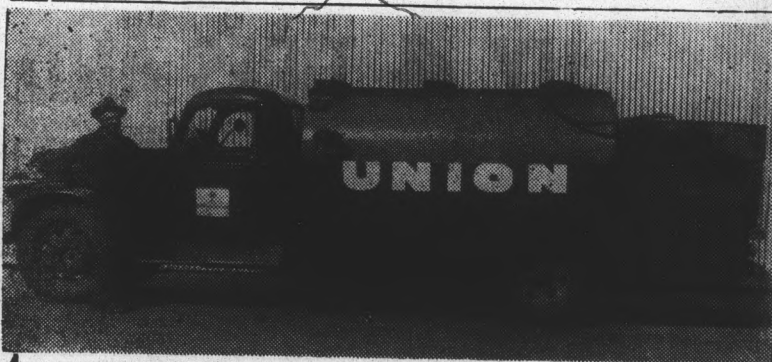
In the past, important steps in mechanization have sometimes resulted in temporary dislocation of employment, but the long-range result has been an over-all gain. For evidence that machines have made jobs — not taken them away — all we need to do is look at the record.

In 1890, when mechanization was just getting nicely started, the total number of gainfully employed persons in the United States was less than 25 million; now it is more than 60 million.

American genius in mass production has brought greater earnings to workers, more demand for more products, and more jobs to supply the demand.

"When tillage begins, other arts follow. The farmers, therefore, are the founders of human civilization."

Doing things the "hard way" is now out of date on modern farms, thanks to mechanical developments.



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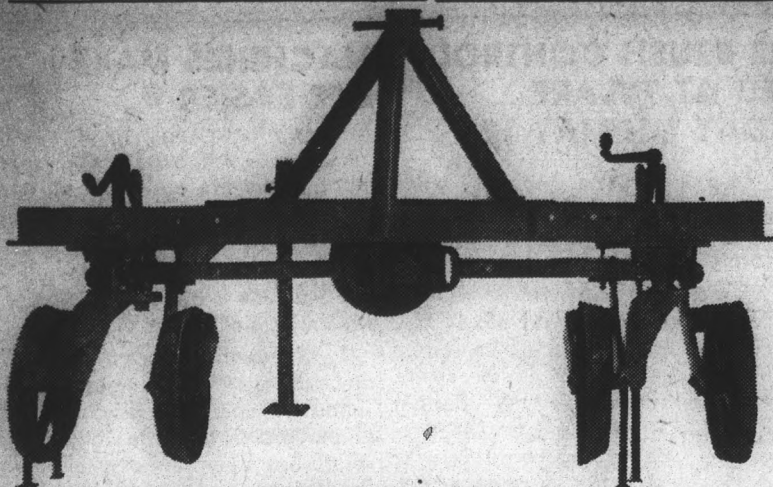
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**NEW TYPE** cultivator for thinning and cultivation of cotton that was invented by Reno Bovetti and Bert Berra, Porterville district ranchers.

This machine is suitable for use in any type of row crop.  
(Farm Tribune photo)

Most farm accidents involving misuse of electricity are the result of carelessness.

By 1941, hydraulic controls were being generally used on drawn farm implements.

# SAFETY

WITH MACHINERY

Farm machinery as well as hand tools must be used properly to be safe and efficient. It must be kept well oiled and greased. It must always be maintained in good repair and in clean, workable condition. All such equipment should be placed under shelter to protect both the operator and the piece of equipment.

All stationary equipment should be regularly inspected to make sure that it is safe and in good working condition. If repairs are

needed they should be made immediately and before the equipment is placed in operation. No attempt should be made to operate any defective piece of machinery.

The farm worker who is to operate any piece of machinery should be thoroughly familiar with it. He should not only know how to stop it immediately. He should be thoroughly familiar with its maintenance and care.

All gears, belts and pulleys,

clutches, flywheels, drums, and any other reciprocating or rotating parts should be guarded if located within seven (7) feet of the floor or the working platform. They may be completely enclosed in wood or metal guards or may be guarded by hand rails. All guards must be kept in position during the time the machine is in service.

All the points of operation of any machine having a saw, knife action, or cutting head should be completely enclosed in a guard except for that point at which stock is admitted.

The circular wood saws should be provided with hood guards. If they are rip saws, they should be further guarded with splitters and kickback dogs.

Other machinery such as feed grinders or choppers should be provided with automatic or stick feeds.

A clear, unobstructed work area should be kept around all machines to allow the operator free access to all parts of the machine. The work place should be kept clean at all times.

The buildings housing gas, gasoline, butane or propane operated engines should not be enclosed. They should be left open to prevent the accumulation of carbon monoxide. Fumes must be exhausted to the outside air in such a manner that they cannot drift inside.

All electrical motors or motor driven equipment should be carefully grounded.

All equipment should be stopped for oiling, greasing, repairing and refueling.

All guards that have been removed for any reason must be replaced before putting the machine in operation.

Avoid wearing loose, floppy clothing around moving machinery. A sleeve, a pants leg, or the loose part of a jacket will be readily picked up by any moving part. Wear good, close-fitting clothes.

## SPRINKLER IRRIGATION FOR CITRUS SHOWS ADVANTAGES

According to reports from the Citrus Experiment Station at Riverside, where research work to determine the value of sprinkler irrigation in grove-rejuvenation work is underway, the results to date show a visible improvement over other practices used.

Less popcorn bloom and a better fruit set was noted on sprinkler irrigated plots as compared to those which were furrow-irrigated, also fewer splits were observed. Where the soil was allowed to dry out between irrigations, dropped and split fruit was more prevalent than in plots where moisture was maintained at constant levels. In fact, some plots that were properly irrigated showed no splits at all.

A possible, but theoretical idea, was advanced to explain this phenomenon of splitting when the soil was intermitently dried. During drying, active growth slows down materially and the fruit peel tends to approach greater maturity and less flexibility. When water is applied again, growth is resumed and the fruits increase in size but apparently faster than the peel can expand, so it splits. If this theory is proved true, a problem of long standing will be solved.

Self-propelled corn pickers were introduced in 1946.



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No Trade-in List Price 4 Rayon White Wall Tires and Tubes	136.60	150.20	164.60	182.60	124.40	152.00
<b>You Pay Only</b>	<b>80.00</b>	<b>88.00</b>	<b>97.00</b>	<b>106.00</b>	<b>73.00</b>	<b>84.00</b>

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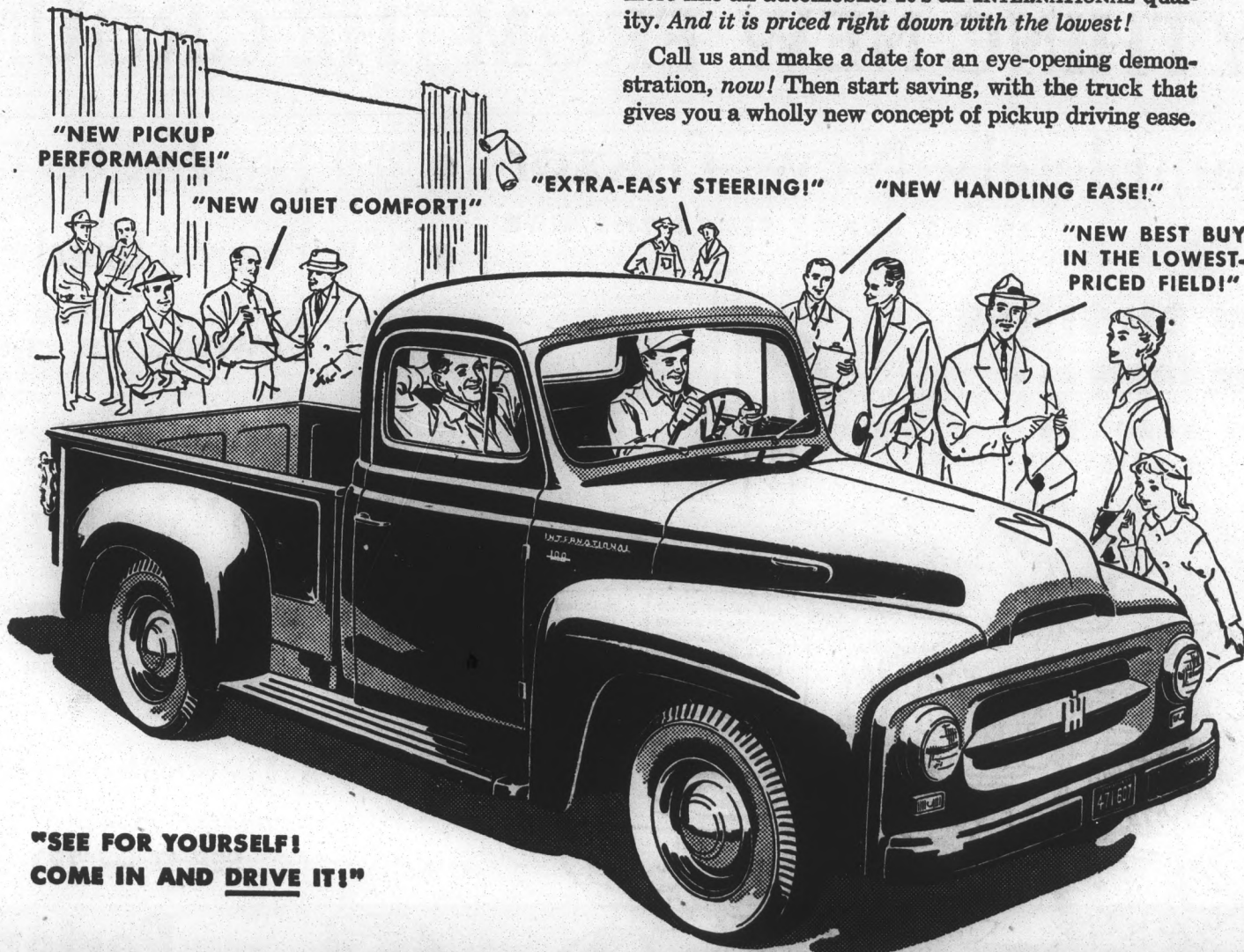
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The new **ONE HUNDRED** is *all truck*, yet it handles more like an automobile. It's all **INTERNATIONAL** quality. And it is *priced right down with the lowest!*

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# MECHANICS

## OF GREEN FEEDING

by Stan Creek  
Allis-Chalmers Division

California livestockmen a few years ago started a new method of feeding — taking pasture to the cows. Today this California-generated idea has become one of the hottest to sweep the farm scene from coast to coast.

Indeed, the changes wrought by this new concept of forage might well be compared to the revolution in grain harvesting that followed California's big combines of a generation or two ago.

The advantages of green feeding are well known by now to most farmers and ranchers in the valley. More feed, better gains, increased milk production, less bloat, and fewer fences.

But many are still asking what machinery is best . . . how can you clip a pasture for even growth. Almost as many answers can be found as there are stockmen taking pasture to the cows.

Green feeding is built around the forage harvester that cuts directly from the field. Like the combines of yesteryear, the forage harvester is relatively a youngster among old farm implements such as the plow and cultivator. Californians first tried expensive specialized equipment from canning factories. Then forage harvesters were produced commercially in 1936. Later, the direct cut attachments were added which permitted these machines to cut and chop grasses and hays in a single operation.

When special wagons were built with powered unloading devices, the turning point in the acceptance of green feeding was reached. As long as men had wrestled long twisted grass with pitchforks only, little enthusiasm for the idea had been generated. Afterwards, the system gained momentum rapidly.

Now, almost every major machinery company builds forage harvesters. They're available as low-costing pull-behind units powered from the PTO of a tractor or as expensive self-propelled choppers capable of handling hundreds of tons of forage a day. The self-propelled choppers are used mostly by custom operators or stockmen with thousands of head of cattle to feed. The smaller units will chop plenty of green feed to meet home ownership demands.

Two major points to consider when selecting a machine, outside of cost, are (1) availability to service when needed, and (2) the number of moving parts. With fewer parts, less power is required, cost is lower, the operation is more efficient and chance of parts failure is reduced.

At the same time, engineers recognize that a clean slice by the knives takes less power than any other type of cutting action. This means knives should be kept sharp to provide crisp, palatable silage. Dull knives bruise and mangle silage, damaging its high quality. Several companies, such as Allis-Chalmers, provide built-in power sharpeners that deliver keen edges

in minutes.

No matter how good a machine may be, it will need service attention occasionally. Check with your local farm equipment dealers to see if parts are on hand and mechanics are available when needed. Since green feed has to be cut daily, quick service to keep your machine running is of utmost importance.

A second chopper can serve as a standby unit. Or an extra wagonload can be chopped every day and left to be unloaded first the following day. Thus you can have feed on hand in case of machinery delay or rain. Grass silage serves the same purpose.

Many different kinds of unloading wagons are available now, some even mount unloading units on trucks to eliminate the power required to pull tons of forage through a soft field. Perhaps the simplest type of wagon is the self-feeder from which cattle eat forage directly. Beginners have found it best to use wagons they had on hand. Expansion can come with experience.

Alfalfa or alfalfa-brome ladino mixtures are excellent in this area. Other mixtures of pasture grasses are suitable, however. Consult your county agent for the most efficient mixtures.

The trick one often finds most difficult is the cutting of an entire pasture before some portion becomes too woody and full of stem for top-quality feed. With alfalfa, each portion should be cut every

five or six weeks throughout the growing season. Divide a pasture into 42 equal strips, one to be cut each day. The tonnage removed from each strip can be adjusted by the height of cut. To leave enough leaf area for fast regrowth, the cutter bar should be at least five to six inches above ground. Excess tonnage can be preserved as silage for winter months.

The Rusk Dairy at Bakersfield, California, reports welcome success using the green feeding system. The dairy chops 64 acres of alfalfa from April until October, with an Allis-Chalmers forage harvester. Some 2,900 tons of forage were removed in six times across the field.

Rusk people say that 170 head of milk cows increased production by 100 gallons after only one week on green feed. The Allis-Chalmers chopper delivered 10 tons an hour and 25 tons a day for the 170 cows. Operating expenses were figured at about eight cents per ton or about \$2.00 per day. The cost per gallon of milk produced was reduced by green feeding.

Green feeding can be the means of providing more food for better living and better health . . . and more profit for the stockman. It's part of the answer to the problem of feeding more people than ever before from shrinking farm acreage.

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# MECHANICS

## OF ALFALFA FARMING

The production of hay is not enough in today's farming operation. The crop must be produced at as low a cost as possible. Those two factors are combined by using equipment that is capable of handling large tonnages in a short period of time.

Naturally, haying methods will vary from region to region and even from farm to farm. Basically, however, haying consists of three mechanical operations — mowing, raking and storing, the latter includes all functions from windrow to storage.

It is wise to eye your operations closely here for frequently the obvious way to saving time is overlooked. For instance, the difference between using a six foot or seven foot cutter bar on your tractor mower. Studies show that extra twelve inches of cutting will save about nine minutes per acre — small by itself, but the equivalent of a half day when you have 30 acres of hay to mow. When compared to a five foot horse drawn mower, the seven foot tractor mower will save one ten hour working day and four hours and thirty minutes to boot. Similar savings have been observed by studying differences between horse drawn dump rake and tractor side delivery rake.

The choice of methods for harvesting alfalfa depends upon the size of your unit, and whether the crop is grown for commercial hay or is to be fed on the ranch. Regardless of the method, the use of mechanical equipment will mater-

ially reduce the cost of handling. In most cases, comparative costs for storing loose hay, baled hay or green forage will be about the same. In regards to their mechanical efficiency, however savings can be achieved by applying the correct method for your operation.

If you decide that loose hay is best suited to your program, there are various ways this can be stored mechanically. The loose hay loader will pick the hay up from a windrow direct, and can be easily unloaded by the use of a power fork. Or you may wish to use the front mounted tractor buck rake with hydraulic lift. This ingenious device will buck the hay from the windrow and elevate it to heights of 22 feet, which can then be stacked either in the barn or the field, and it will also remove the hay from the stack for feeding. You will find many other uses for this tool around the ranch.

Should you prefer baled hay, the one-man operated (twine or wire) baler is probably your best bet. The new models have been vastly improved and little mechanical difficulty can be expected. The larger balers should be used where the hay is to be sold commercially. In any event, you will want to use the mechanical hay loader for getting the bales onto the trailer and into the stack.

Chopped hay has gained in favor with the dairymen and livestock feeders. The field chopper with power unit is the most common. It is generally pulled by the

tractor, which in turn pulls the trailer into which the chopped hay is blown. The hay is then hauled to storage. One of the main ad-

vantages of chopped hay is that it is fed more easily and with less waste. Another advantage over loose hay is that a given storage

space will hold about three times as much. To the farmer who likes feeding chopped hay but prefers the hay to be stored loose, the stationary chopper is the answer.

The green forage chopper is the latest of the harvesting implements, designed to chop the green alfalfa and deposit it in a rear drawn wagon. This wagon is usually a power driven affair that automatically empties the chopped feed directly into the feeding bunks. It is being used quite ex-

(Continued on next page)



MECHANIZATION OF the dairy industry is well illustrated at the A. M. Falconer and Sons dairy, west of Porterville, where green chopped alfalfa has been fed for over a year. The above photos

show their forage harvester moving through an alfalfa field, with the chopped green feed being blown into the automatic feed wagon, which is towed along the feed bins, dumping chopped feed

as it goes. Chopped green forage is also being utilized at the beef cattle feeding yards operated by John Guthrie northwest of Porterville. (Farm Tribune photos)

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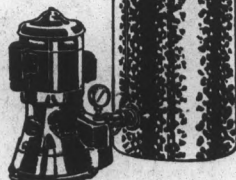
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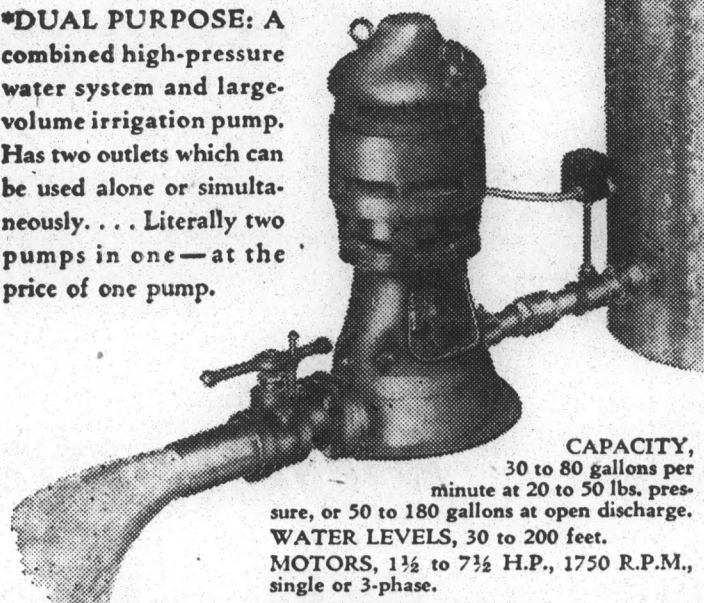
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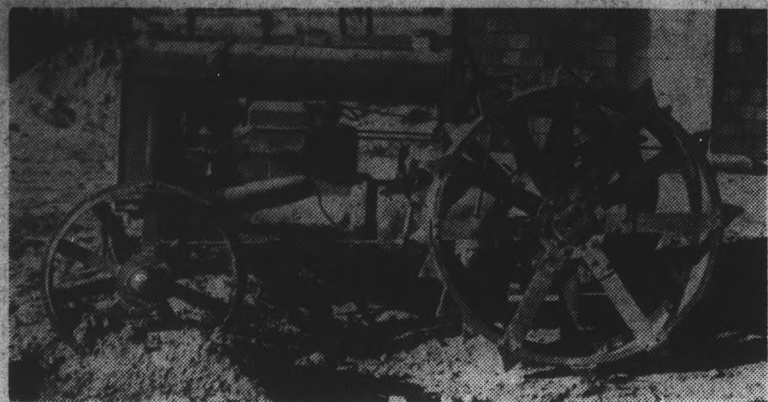
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SAY HEY! What's this? Back a few years — quite a few, in fact — this was the latest thing in small tractors. Wonder if the powerful, modern models of today will look like this, by comparison, 30 years from now? (Farm Tribune photo.)

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## MECHANICS OF ALFALFA FARMING

(Continued from previous page)

tensively today by both dairymen and livestock feeders, and is most generally used in a dry lot program. It has the advantage of pasture feeding without the accompanying problem of weed control, it permits alfalfa to be cut regardless of climatic conditions, and allows the farmer to irrigate his fields more frequently, due to no loss in time waiting for hay to cure.

Getting the hay from windrow into storage is by far the most costly and difficult part of hay-making. It also can consume the most labor if the correct method is not chosen for the individual farm problems. Basic consideration in determining storage methods in addition to labor availability and cost, are weather, quantity of hay to be harvested, and final use of the hay. For instance, where hay is to be shipped commercially or where it may have to be moved from one section to another for feeding, baling is the answer.

Of the three most popular methods for harvesting now in use, baling, field chopping, and buck stacking, baling accounts for the greater annual tonnage. It is estimated to be about 50 per cent. Field chopping, the newest method is accounting for an increasing amount each year.

The cheapest method of harvest is not always the most economical when feeding cost is figured in. Experiments show a cost of \$4.73 per acre on one cutting of alfalfa when stacked, as against a charge of \$6.81 for baling. Adding the feeding costs changed the picture completely to \$10.83 for stacking as \$8.59 for the baled alfalfa.

If one is contemplating on changing from loose hay to either baled or chopped hay, consideration should be given to the storage area. Both baled and chopped will store in fewer cubic feet although the tonnage will be greater. A ton of baled alfalfa requires approximately a quarter of the space of the loose hay, and chop-

ped needs only slightly more than baled.

It is well to remember that every farm is different in its operation. Some factors pertinent to your operation may be omitted in others. However, it is true on every farm that hay does not reach its final use until it has been converted to milk or meat. Quality is important. High quality hay means low cost feed and low cost feed means more profit.

The art of making a good quality of alfalfa hay can be acquired only with experience. Although certain general rules may be suggested, the details of the process vary so much with temperature, humidity, season, etc., that specific directions cannot be given to fit all conditions. Good alfalfa should be fine stemmed, leafy, green in color. If the field is free from weeds and the stand good, and the proper tools employed in harvesting, alfalfa hay of excellent quality can be produced.

Lawn care can be made much easier by use of 2, 4-D for control of burr clover, chickweed, dandelion, shepherd's purse and planian, common lawn weed plants.

Say You Read It In  
THE FARM TRIBUNE

## CORN CAN BUILD SOIL IF HANDLED RIGHT

During these times of acreage allotments and government crop quotas, many growers are searching for crops which will produce some profit, while at the same time helping to build up the soil.

Contrary to popular opinion, field corn can be grown under a system of fertilization which will actually build up the soil. The fact that is frequently overlooked is that corn adds large amounts of organic matter to the soil.

Corn roots penetrate to a depth of six feet and contain an average of two tons of organic material per acre. This, along with the stalks, which can easily average three tons per acre, will put a total of five tons of organic matter per acre back into the soil.

In order to get this volume of growth, it is necessary to use large amounts of nitrogen, which happens to be one element most likely to be in short supply. A total of 95 pounds of actual nitrogen is required for a crop of 3,360 pounds of shelled corn per acre. For higher yields and higher tonnage of organic matter per acre, more nitrogen must be applied.

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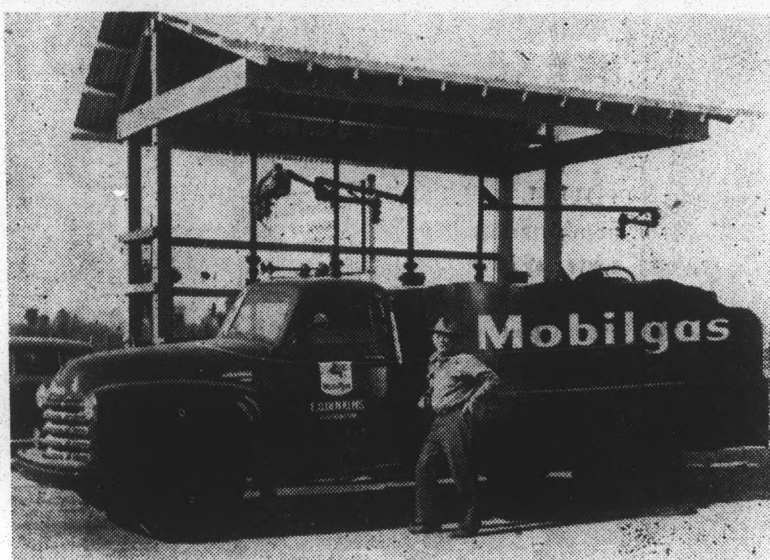
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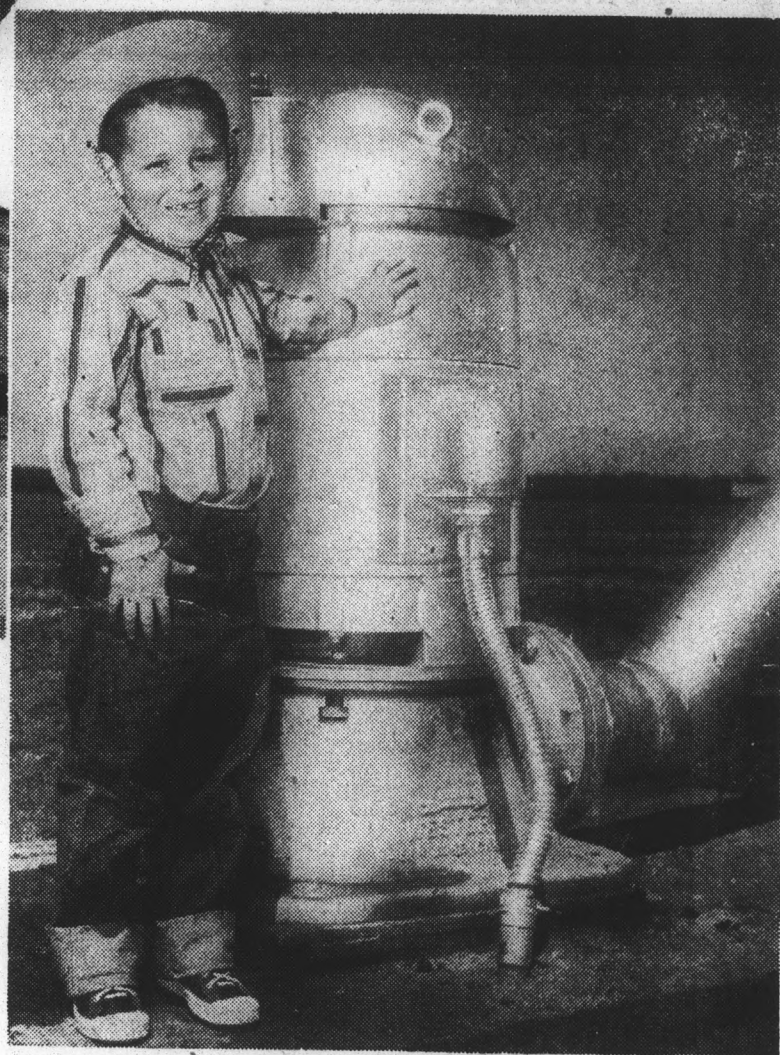
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Henry J. Vaux has been appointed dean of the University of California school of forestry.

# FERTILIZING

WITH SPRINKLERS

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The association of fertilizers and water in plant nutrition is both natural and pertinent. Of all factors which limit plant growth from the standpoint of soils these two are, by far, most important. This is true of all agricultural areas and all crops but it is of particular significance in the irrigated areas of the West.

Considering present trends of farm incomes, the application of acreages limitations to control "surpluses", along with the other dilemmas too numerous to mention, the average grower is confronted with the necessity of judgments wiser than any modern Solomon. Certainly he must scrutinize every possibility of effecting production economies without sacrificing either unit yields or quality of his products. Thus confronted he cannot afford to overlook any possibility of using both water and plant food most efficiently.

The values of fertilizer and water are inter-dependent. One is of no use without the other. Misuse of either can be disastrous. It is commonly known that there is both waste and neglect of either or both plant food and water. Much of our supposedly level land is subject to flooding, with tail water running over roadways, plants being temporarily stunted by suffocation and fertilizer in the water being leached, lost or, even worse, being transported to areas where the weeds profit more than the crop being produced.

On the other hand, failure to supply sufficient water is evidenced by mid-day wilting of alfalfa, cotton, corn and many other crops. It is very easy, in such situations, to discover substantial amounts of solid fertilizers still intact after a crop season because the materials have never been in contact with any water.

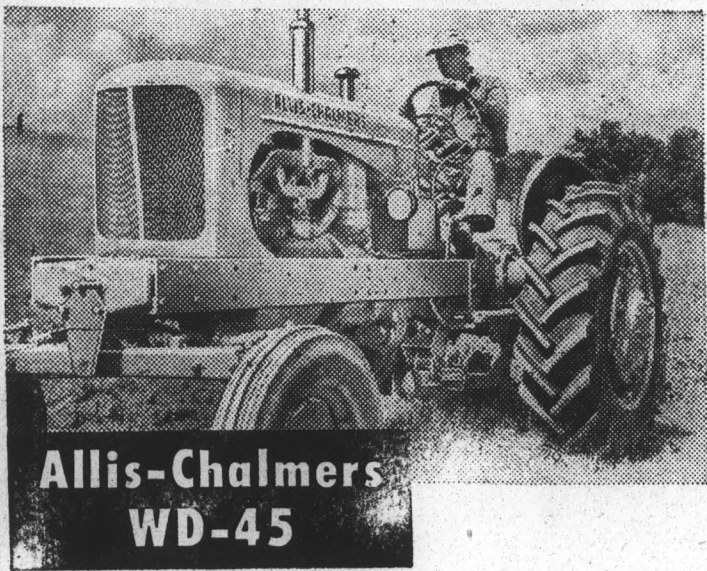
While the inclusion of plant food in irrigation water might seem to be one answer to this waste the problem is not that simple. The almost limitless variation in our soil types with respect to water penetration often means that with plant food in solution some areas may get more than others. There is also the problem of loss of control of both plant food and water at one and the same time.

Sprinkler irrigation systems afford another tool for fertilizer use with certain definite advantages.

1. On reasonably level land there is little need for loss of solid fertilizers applied to soils through excessive run-off.
2. Complete surface coverage by water from sprinklers of broadcast fertilizer applications insures certain dissolving of the fertilizer and its incorporation in the soil.
3. Plant food applied by planes to growing plants can be removed from foliage with a maximum reduction of burning.
4. Supplemental and emergency application of plant nutrients can be made without disturbing.

(Continued on Next Page)

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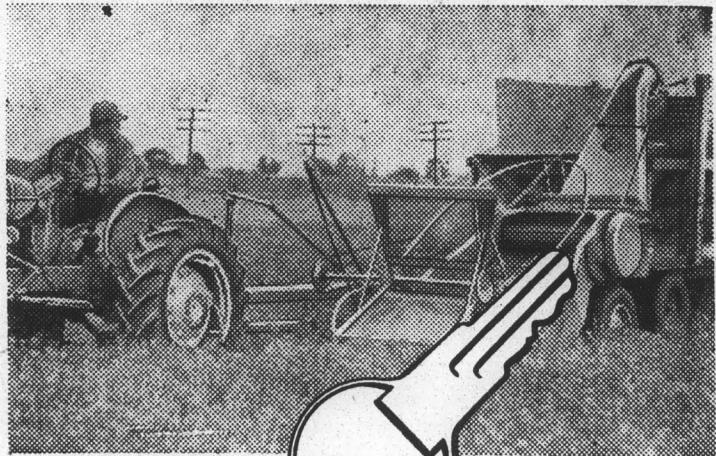
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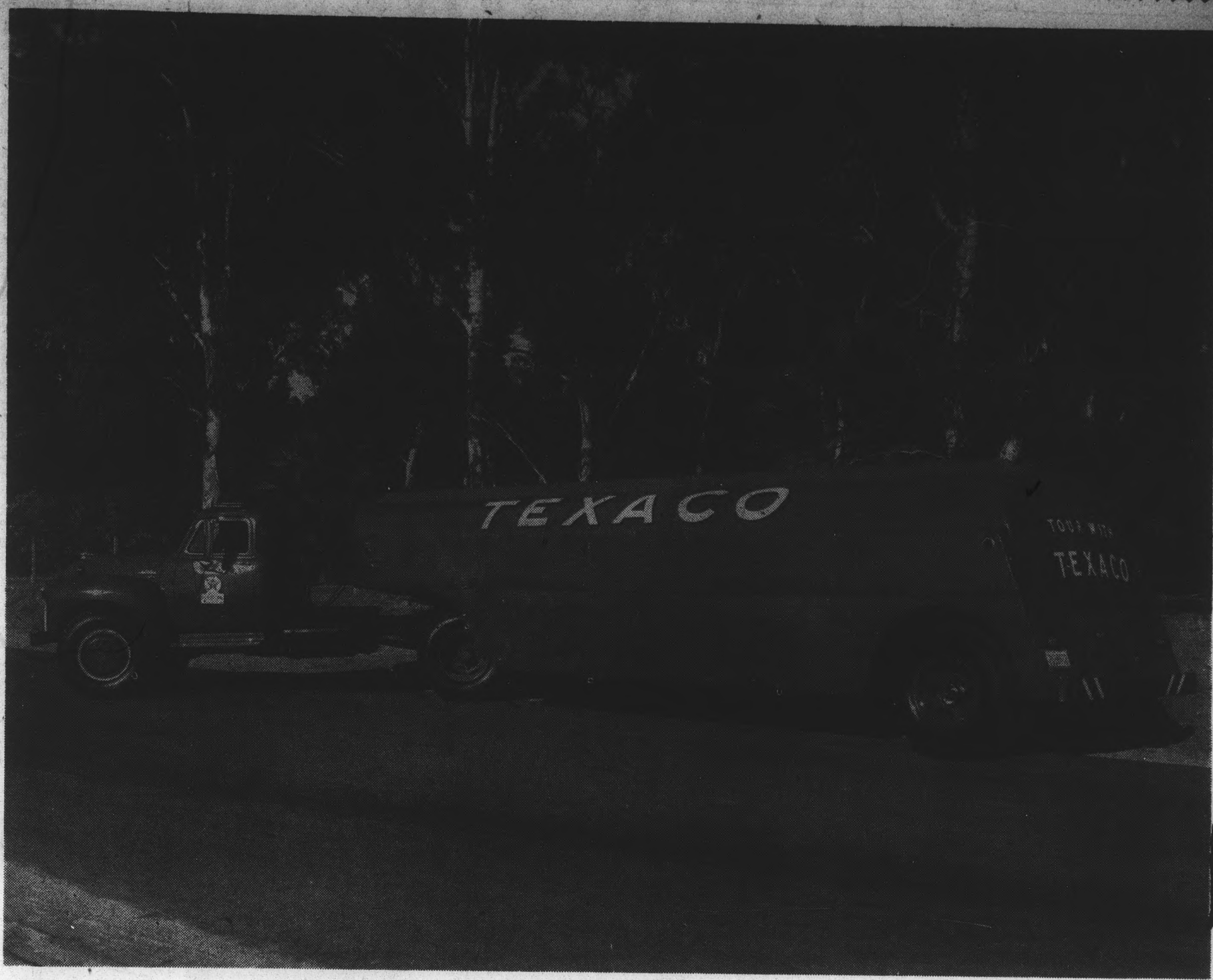
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## TEXACO



## PRODUCTS

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# FERTILIZING

WITH SPRINKLERS

(Continued from Previous Page)

ing either plant roots or soil structure.

5. Foliar feeding can be accomplished at the time that deficiencies appear in the plant.

Before indicating some of the limitations of fertilizing through sprinkler systems it may be well to expand the advantages mentioned. That there are others than those enumerated is obvious.

Solid fertilizer materials, both simples and mixes, are often applied broadcast to grain, irrigated pastures, alfalfa and many other crops. On some porous soils under check or furrow irrigation, it is often necessary to turn an appreciable head of water loose so that it will reach the end of a run. When this is done, finer soil particles and fertilizer along with them are carried along in the streams. This results in accumulated plant food wherever the water slows down. If this water escapes, the dissolved plant food goes with it. If land is of a rolling, unlevelled nature and water through sprinklers is applied so that run-off occurs the same loss would, of course, take place. There is less likelihood of this happening with reasonable care, however.

It is common practice to apply broadcast or side-dress many crops with solid fertilizer materials. Where plants are grown on high beds, or deep furrows result from cultivation, or where high spots occur in checks some soils fail to "sub through", that is, the surface never becomes thoroughly wet. Fertilizer beyond the reach of water is, of course, not available to the plant. Regardless of where the fertilizer is placed, if the ground is sprinkled it will be incorporated in the soil and carried downward by such water.

Fertilizer materials, of course,

move downward differently in different soils and each type of plant food will react differently. Babcock, (California Citrograph, Dec. 1936) poured solutions containing ammonium sulfate, anhydrous ammonia and calcium nitrate through six or seven inch columns of loam soils and determined the amount held at various depths. Both the ammonia compounds were held in the top four inches of soil although enough solution was used to penetrate 36 inches. All of the nitrate was recovered from the seven inch soil column. It is a well established fact that nitrates in general move more freely in any given soil than ammonia nitrogen forms which gives us an opportunity to use each efficiently according to the particular needs involved.

The application of plant food by airplanes has long been practiced in the West. Rice is fertilized very widely in this manner. More recently, with the advent of higher analysis materials, grain, pastures, alfalfa and other crops have also been fertilized from the air. Recent announcement by T.V.A. of a 97% plant food is further evidence of the continuing search for higher analysis materials which will make airplane fertilization even more practical than it now is. Some, in fact most, chemical fertilizers will burn plants if solid granules lodge on the foliage and absorb small amounts of water. The use of sprinkler irrigation particularly in pastures immediately after fertilizer application by plane can minimize and, for all practical purposes, completely remove the fertilizer from plant foliage.

There are no absolutely fool proof techniques by which the exact needs and supplies of plant nutrients for crops and soils can be assayed. This means that any one of the many elements needed by

plants in their growth may appear at any time in the growth of these plants as "hunger signs". When this happens, a grower has had three methods of getting the needed food to his crop. He could buy a solid material and side dress the crop if he could drive through it and get the material in the soil without destroying too many roots. He could spray the material on the plants in some cases but this would mean driving through the crop with heavy machinery.

Airplane treatments are difficult to make in the case of some materials because the economic or pay-load concentrations are either toxic or needed in too large a volume. As a third method he could add the material to the irrigation water and take a chance on the evenness of distribution which would result. Insoluble materials would settle out and soluble materials would be distributed in the same proportion as the water. With sprinklers a fourth method become available. Many compounds are soluble, others are miscible and those that are neither soluble or miscible can be made wettable with surfactants.

Foliar feeding of plants has its greatest use where soil or root conditions prevent or limit the acquisition of needed elements through root systems or where foliage treatments offer increased economy or efficiency. Deficiencies of both major and minor plant food elements can and do occur at any time in the growth of plants. The ability to meet these needs promptly through sprinkler irrigation systems is a production tool of greatest impact and warrants careful consideration by both our governmental research agencies and growers. We know but little of the potential uses of this tool but those few things are well worth noting.

Trace or minor element deficiencies are increasingly important on many of our crops. Not all such deficiencies are obvious in growing plants and some responses, particularly on vegetables and fruits, have been obtained where symptoms were not observed.

In California zinc and iron deficiencies are common. Zinc has long been fed to plants in sprays, either in combination with other elements or alone as zinc oxide. A more generally used form is zinc sulphate neutralized with either lime or soda. These compounds can certainly be put through sprinkler systems.

Iron is not as readily translocated as zinc through foliage but it has been used with suitable wetting agents as a spray. Recently complex chemicals known as sequestering or chelating agents have been combined with iron to produce compounds more readily assimilated by plant foliage. This offers a special opportunity for further

study in connection with sprinkler irrigation.

Manganese and copper as well as boron are problems; the latter one, boron, sometimes occurring in excess. These compounds have been applied as sprays to plants with conventional spray rigs and the same compounds can be used in sprinkler irrigation. Many commercial products are available. One of which, as an example, contains a zinc manganese phosphate having 16.5% zinc, 7% manganese and 7% phosphate. Other combinations suitable for trial are available.

Most of the metallic elements needed by plants can be purchased as sulphates, neutralized, with an equal weight of hydrated lime to form the hydroxides and used as sprays in irrigation systems. As common sense would dictate any system in which chemicals are used should be flushed out to prevent possible decomposition products or unreacted residues from causing trouble. Otherwise, no untoward action should occur where the usual metals are used in construction. At dosage rates of four pounds of sulphate per 100 gallons of water there is very little likelihood of injury to either plants or machinery.

Of all plant foods that are needed, nitrogen is most fugitive and most widely used. Fortunately many plants can readily be fed nitrogen through their foliage.

(Continued on Next Page)

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## FERTILIZING WITH SPRINKLERS

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Compounds like urea and ammonium nitrate are readily soluble in water, reasonable in price and absorbed by many plants. Synthetic urea, containing 45% nitrogen is highly compatible with most insecticides and fungicides. It dissolves readily in water.

Plants vary in their tolerance to urea-water concentrations; tomatoes will take four to five pounds of urea to each 100 gallons of water. Carrots can be sprayed with as much as 30 pounds but only 20 pounds per 100 gallons are the usual dosage. Citrus-trees respond to from 5 to 10 pounds of urea per 100 gallons. Celery plants sprayed five times with urea at 8 pounds per 100 gallons out-yielded plants side dressed with more nitrogen. (Michigan State College Quart. Bull. Vol 34, May 1952). Here are some other suggestions for dosage trials of urea sprays on foliage: Cabbage per 100 gallons, 5; cauliflower 5; cucumbers 4; lettuce 5; parsley 20; pepper 5; potatoes 20; snap beans 5; sweet potatoes 15; sweet corn 5.

There is some evidence that combined solutions of urea and ammonium nitrate will permit the application of almost double the amount of nitrogen used as urea alone. (Hester, J. B., and Isaacs, R. L. P., Agr. & Foods Chem. Vol. 1, No. 2, Apr. 24, 1953, p. 239-240 and Hester, J. B., Assoc. of Amer. Fert. Cont. Off., Off. Pub. No. 7, 1953.)

Of real interest is the report (Hoffman, R. M., Western Fruit Growers, Jan. 1954), that synthetic urea, applied through a sprinkler irrigation system produced more and larger plants than comparable amounts of nitrogen from other sources. This is a matter of record of official results which should interest all strawberry growers.

# MECHANICS

OF COTTON FARMING

By Charles M. Albright  
Product Specialist  
International Harvester Co.  
Reduced cotton acreages makes

The use of complete fertilizers through sprinkler systems is just as feasible as is application of nitrogen. There are highly soluble materials such as ammonium phosphate or potassium phosphates which can be combined with nitrogen to produce mixtures like 10-52-17, 15-30-15 and many others. Further there now are available many neutral liquid fertilizer formulas which can be readily adapted to application through sprinklers. A very useful combination of ammonia and phosphoric acid which is neutral can be made for a reasonable price and should be of interest in this connection.

It thus becomes apparent that more than a start has been made in adapting fertilizer materials to sprinkler irrigation systems. The possibilities and special values of new procedures such as this are developed slowly through experience. That there will be reversals is very obvious. The ultimate position of fertilizer application through sprinklers is more assumed than is the rapidity with which that position is achieved. To speed the attainment of a mutually desirable objective the active participation of both equipment manufacturers and agricultural chemists is most vital. The organization of this and other similar meetings is proof of both interest and ability to accomplish and progress.

cutting production costs an economic necessity if you are to continue raising cotton at a profit. Whether you raise 20 acres or 2,000 the key to cotton profits rests in your ability to multiply the productivity of your hands . . . cut the man-hours and money required to convert a bag of seed into the load of cotton that you put on the scales.

This spells out the need for complete mechanization — from the preparation of your seed bed, to harvest.

To help you do this, we at International Harvester — like other farm equipment manufacturers — have worked closely with Cotton Belt farmers, agricultural colleges, experiment stations and local extension people. During the more than 30 years of research, engineering and development of cotton production equipment, we have worked continuously to give you new machines . . . new improvements for peak efficiency.

One example is the combined hoppers and a broad range of seed plate speeds on the planters which make it possible for you to plant different varieties of seed by simply changing seed plates and selecting proper speed. It is no longer necessary for you to change hoppers or own more than one planter. Another is the development of special high-speed cultivator sweeps to give you a gentle row profile for the fast, clean mechanical picking.

And while the development and mass production of mechanical pickers a few years ago was probably the key to cotton mechanization, recent improvements give you advantages to cut harvest costs to a new low. Take for instance, the new broached spindles and flush-type oil system on our McCormick pickers. The cut-in, diagonally-grooved teeth of the new spindle maintain their efficiency longer to reduce down-time, slash replacement expenses. The new flush oil system gives you once-a-day oiling that assures positive lubrication

with only a fraction of the oil required by drip oilers.

Teamed with these improvements are new machines and implements for tractors to fit every size farm. Today you have the choice of equipment — from tractor and plow to picker — in models and sizes to add the benefits of full mechanization to your own operation — large or small.

At the same time, mechanization for cotton can equip you for diversified farming. With a tractor and equipment to prepare seed beds, plant and cultivate cotton, you have power and equipment\* to handle practically any other cash crop, grain or feed you'll want to raise.

This means that mechanizing your cotton operations can actually double your profit opportunities. It will help cut cotton production costs and increase your pre-acre productivity . . . let you add other crops to your reduced cotton acreage.

Catalog edition of "California Livestock News," "bible" for the annual California Ram sale, May 2 and 3, is now off the press and available for the asking from Kempton Clark, chairman of the ram sale committee, of Woodland, California.

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- HUDSON SPRAYERS
- HUDSON DUSTERS
- STORAGE TANKS, Oil or Water

**Daybell Nursery**

On "E" Just North of Olive

PHONE 593

PORTERVILLE



## MECHANICS IN POULTRY PRODUCTION GREATLY REDUCES NEED FOR MAN POWER

Today, one poultryman with the latest equipment can care for as many hens as three men could handle 20 years ago. Back in the 1930's, mechanical equipment was limited to overhead conveyors, bulk feed hoppers, running water, and hatch feed mixers. Now we have added automatic machines for cleaning of coops and roosts, feeding, grading and washing eggs, and some inventive hen hustlers have even rigged up mechanical devices for gathering eggs.

There has been a bigger revolution in poultry raising methods and equipment used than in any other branch of farming. Take coop cleaning. In the past a good third of a person's time and most of the hardest work was spent on cleaning coops. If they weren't cleaned every eight weeks or so it was thought the chickens would drop dead. Then, along came deep litter and the talk of how good it is for the hens to let it build up; now they don't take it out until you start bumping your head on the roof. They stir in a little lime every once in a while, but the poultryman that's well equipped uses a garden tractor with a rotary tiller device to do that job.

Twenty years ago even the best watering equipment had many faults. In cold weather it would freeze and in summer it would become clogged with litter and feathers from within the hen houses. What automatic devices were on the market were never quite dependable. Today, the poultryman has his choice of any number of different types of controlled watering devices. If he prefers watering from a trough, he can get automatic trough waterers. If he likes a cup type dispenser, they're his for the asking. He can even get waterers that put out a drop or two at a time when the chicken pecks them, commonly known as dew-drops. He can even get metering devices that add drugs in exact amounts to the water. One of the latest improvements on the market are thermo-

statically controlled electric heating elements to keep the water at the proper temperature at all times.

The former back breaking job of feeding has come in for mechanization, too. Practically all modern poultry establishments today employ some form of mechanical feed troughs; usually this includes a large feed hopper and a trough which extends the length of the hen house. From this arrangement, three rather different methods of conveying the feed through the trough has been developed. First, there is the endless chain with drag devices which run along the bottom of the trough, pulling the feed from the hopper. In a second type the feed is moved by an agitating motion of the trough itself which is mounted on rollers. A third design has an enclosed feed tube which runs along the top of the trough and meters the feed downward. There are some variations of these three methods by the individual manufacturers but primarily the basic design is the same.

The jobs of feeding, watering and cleaning are common to all poultrymen whether they raise broilers or are in the production of eggs. However, the egg producer has the added job of egg handling, and in this task they are being helped by many mechanical improvements. As yet, no electric eye has been devised for candling the eggs, but there are mechanical methods for sorting and grading eggs according to size and weight. The most disliked task of all, washing dirty eggs, is now done by machinery. Some of these egg washers are so simple to use that most poultrymen prefer not to separate the clean from the dirty eggs but to wash them all together.

Although the gathering of the eggs is still mostly hand labor, much has been done to shorten the time needed to do this chore. Nests that permit the eggs to roll from under the hen and on to a protected tray, have been a big

help in this respect. At the present time, several manufacturers are testing new mechanical inven-

tions for moving the eggs out of the hen house and into the sorters and cleaners, which, if successful,

will make the egg business nearly a one hundred percent mechanized industry.

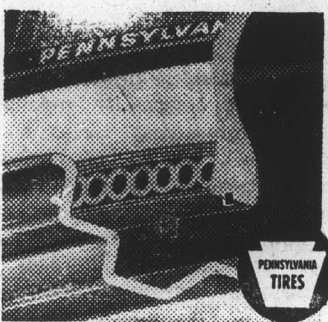
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## PROPER CULTIVATION METHODS HELP TO PREVENT FORMATION OF PLOW PAN

Any way you look at it, plow pan or plow sole is a headache to farmers. Of course plow pan can, in most cases, be broken up by deep plowing or chiseling, but these are costly operations, requiring heavy equipment. Our train of thought then, should be: "How to prevent the plow pan from forming" instead of "how to get rid of it if it does form."

As most of us know, plow pan or plow sole is a heavy cement-like strata which forms a few inches under the surface of the ground. It is believed to be the result of movement of equipment back and forth across the field, combined with the much too common practice of plowing or discing to the same depth each season.

This plow pan compaction of the sub-layer soil results in poor water penetration, abnormal root growth and a general decrease in crop production.

After a grower has chiseled his land and broken up the plow pan, or if he is lucky enough not to have been bothered with this soil-compacting condition as yet, preventive measures should be employed to reduce the chances of the plow pan forming. Many of today's farm experts and soil consultants agree that a rotation-tillage program is beneficial to the soil structure as well as in reducing plow-pan hazards. In other words, vary the depths of tillage each year. If you plow six inches in one season, plow 10 to 12 inches the

next year. It is often profitable to plow even deeper the third year, and then rotate back to the shallow cuts fourth, and so on.

The second thing to remember is to keep equipment off the fields as much as possible because it often helps to cause plow pan.

## Whitridge Tire Service

"THE MEN WHO KNOW TIRES BEST"

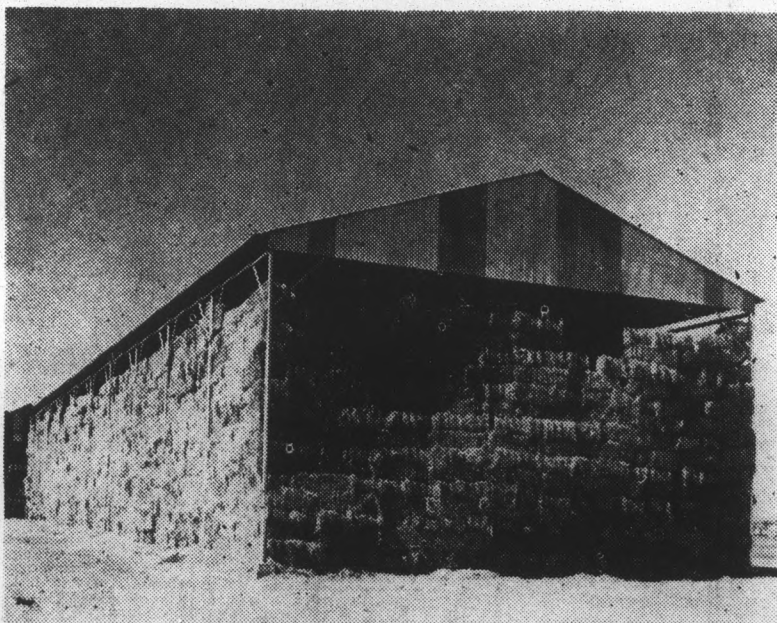
CAPPING AND TREADING OF ALL SIZE TIRES

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Phone 533

## NEED A HAY SHED?



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FREE ESTIMATE — TERMS AVAILABLE

Building at left — one of three seven hundred ton hay sheds  
constructed for Karpe Hereford Ranch — Bakersfield

## VALLEY WELDING WORKS

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PORTERVILLE

1606 W. OLIVE

PHONE 27



# MECHANICS

OF WHEAT FARMING

By George Overcash  
Porterville Farm Implement Co.

The wheat farmer has always been a great mechanical enthusiast; some of our earliest efforts toward farm mechanization came into being to facilitate the growing of wheat. Today, the crop's culture has been completely mechanized. Mechanical means prepare the seed bed, add fertilizer, harvest, transport and elevate it to the point of consumption.

Time is an all consuming factor in the production of wheat, and for this reason most of the mechanical equipment used is of mammoth size, enabling the grower to reduce his operating costs by preparing the seedbed and harvesting the crop with the least number of man hours.

One way disk plows are today and have been for a long time, the means used for working up grain stubble after harvest, for summer fallow tillage and seed-bed preparation. Generally these plows are of 18-foot size and will cover up to 10 acres per hour, permitting the tillage of large acreage in the least possible time and expense. To pull these plows, heavy duty diesel and gasoline tractors are needed. These one-way disk plows dig in at the deeper tillage depths to thoroughly turn under a cover crop or grain stubble, yet leaving enough crop residue exposed to check soil blowing and to absorb moisture.

Wide one-way diskers are often used in wheatland farming. These machines disk and seed in one operation. They are most commonly used for preparing a seed bed and seeding a summer fallowed field in one operation. The disker is available in 18, 15 and 12-foot sizes. They have individual gangs hinged to the main frame, each gang is provided with two pressure springs that hold the disks to their work in various field conditions. The disker is equipped with a seedmeter drill unit which gives accurate uniform seeding for more even germination and a better stand.

Field digger-mulchers can advantageously be used in wheatland farming. These machines carry rigid-on-springs standards spaced either six or 12 inches, to which are attached a variety of shovels or sweeps. The mulchers are used for stubble mulching after harvest, chiseling and spiking. They tear out weed roots, aerate the soil and retard moisture loss.

One way to lower production costs per bushel of grain is by increasing yields. Farmers in the mulch farming and semi-arid wheat land regions are boosting yields per acre by using Lister-type press drill to place the seed at proper depth, to get full use of soil moisture. The Lister-type press drill provides a wide furrow that can be regulated for depth to reach moisture conditions at time of seeding. A larger area of moisture is available for each plant because seed is scattered over a land approximately six inches wide. The Lister-type openers are nine inches wide and are spaced 14 inches apart. Sixteen-inch deep furrows can be used in lieu of the Lister shovels.

The once familiar sight of threshers has given way to the modern combine. The self-propelled combine is rapidly becoming the accepted machine for harvesting in the large wheat areas. It is a one man operation. The Case company builds a variety of combines in 10, 12 and 15-foot headers for use in both level and hill-

side wheat operations. Where yields are large, the 12-foot header is favored. Generally, the 10-foot header is used in connection with windrowed methods. In hilly sections, the 15-foot header

is the best to use because the fields can be laid out for rapid harvesting. The combine many Western wheat growers prefer for hillside areas is the self-propelled Case Combine number "301".

Recently, the Case company has made available for use in the wheat growing sections a new heavy duty tractor in the 50 horsepower class.

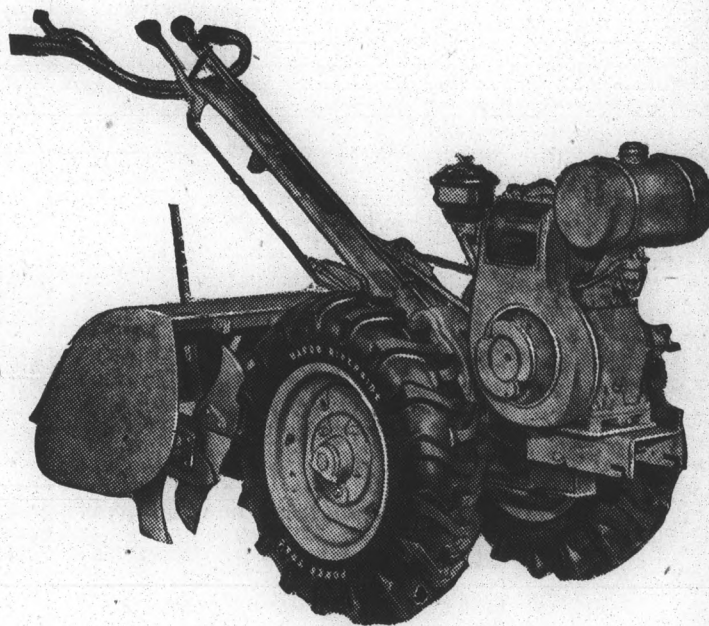
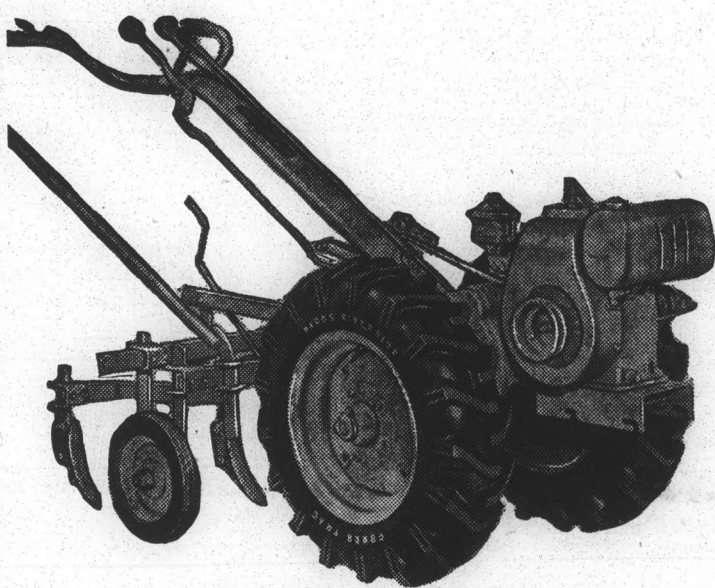
Farm Tribune Ads Get Results

130 N. Main

*Montgomery Ward*

Phone 1340

## Ward Week Sale



### WORK-SAVING GARDEN TRACTORS REDUCED

**\$256.50 3-HP CHOR-TRAC**

Now, save on Wards most popular garden tractor. Built for year 'round savings in time, and money. Has reverse, 5 forward speeds. 32 attachments give all-job versatility.

CULTIVATOR ..... \$34.44

**218<sup>88</sup>**

**\$322.50 6-HP POWER-TRAC**

Now, save on the most powerful walking tractor built. Here's extra power—for easily doing toughest jobs—with 35 low cost attachments. Reverse, 5 speeds forward.

TILLER ..... \$89.88

**307<sup>88</sup>**

### SAVE ON YOUR FARM AND GARDEN NEEDS

7.5-HP ENGINE — REG. \$138.00

4-cycle, air cooled engine — gives years of tough service.

**\$100<sup>00</sup>**

SYPHON TUBES

Sturdy, hard aluminum alloy roll back edges prevents flattening

**10% off**

GOOSE WIRE — REG. \$4.10

24 in. wide 2 in. mesh, 150 ft. rolls

**\$3<sup>69</sup>**

GARDEN SPRAYERS — REG. \$6.75

Ideal for spraying insecticides and weed killers, weighs only 5 lbs., easy to handle — 1 gal.

**\$5<sup>44</sup>**

FILTER DISCS — REG. 72c VALUE

6 in. size. With plain face, bleached white. All uniform construction

**3 for \$1<sup>95</sup>**

MILK STRAINER — REG. \$2.39

14-quart capacity. Heavy-duty type for long service. Heavily tinned. Easily cleaned

**\$1<sup>98</sup>**

### STOCK TANKS

2x2x4 — Reg. \$21.00 ..... NOW **\$12<sup>95</sup>**

2 1/2 x2x7—Reg. \$39.95 ..... NOW **\$22<sup>95</sup>**

3x2x5 — Reg. \$23.50 ..... NOW **\$14<sup>95</sup>**

3x2x8 — Reg. \$44.95 ..... NOW **\$26<sup>95</sup>**

BUY NOW AT SALE PRICES! 10% DOWN DELIVERS THE EQUIPMENT YOU NEED



# MECHANICS

## OF LIVESTOCK

The modern day cattleman is as mechanically minded as is the flat land farmer. Few people realize the extent of mechanical devices that are employed in the business of marketing beef today. There are special tools for every phase of the cattle business.

These phases are in three parts, the cow and her calf, the weaned calf and the final phase of fattening. Mechanical equipment will vary for each phase, although a single piece might be applied in all three. How many of these operations an individual stockman will engage in depends upon his overall program and economic values at the time.

In phase one, the mechanical equipment will be of the production type, that is: equipment designed to grow and harvest feed, for feed is the most essential need for the cow who is nursing a calf. Most stockmen today do not confine their operations solely to range lands. Either they have irrigated ranches in the valleys or

they employ the sprinkler system on the home place to grow supplement feed. In both instances the equipment will be the same as used on any irrigated farm.

In addition to equipment used for producing feed, you will find machinery designed for confinement, such as, the mechanical squeeze chute, which allows the herdsman to inspect, observe or treat any animal for physical defects. This handy gadget may take the romance out, but it puts the profit in.

To a calf running by the side of its mother their only knowledge of mechanical devices are those they see. When weaning day arrives, they get the feel of things in rapid order. They are herded into a corral and then to a chute that abruptly ends at the calf table. Here they are mechanically dehorned, branded and castrated, and just about that fast. Before they return to pasture they will be weighed and sprayed.

The return of the pasture calf

to the feed lot for fattening will further their acquaintance with the mechanical world. To be exact, their needs will be supplied almost exclusively by mechanical contrivances, about the only humans they will come in contact with are the buyers. They will eat their feed from bunkers that were mechanically filled by power box feed trucks that dispel their load as they travel. These trucks were automatically filled from hoppers at the automatic feed mill usually on the premises.

Today's fully mechanical feed mill is one of the marvels of the past decade, there are enough dials in the main control room to satisfy any Buck Rogers fan, once the ration is determined — the electronic dials are set and the mixing process begins, the grains, protein supplements and minerals are accurately weighed and correctly proportioned, they are conveyed through the cleaners, and through the magnetic fields where any metal particles are removed, then through the hammermills where they are ground and finally put into the mixer and then into the hoppers.

The cattle industry has come a long way since the day of the horse and lariat. Those who still continue to operate as they did in the buggy days are in the minority. There are few businesses that operate on as close a margin as the beef producers. They realize that in order to show a profit, feed and labor costs must be kept to the minimum. They believe the answer is complete mechanization.

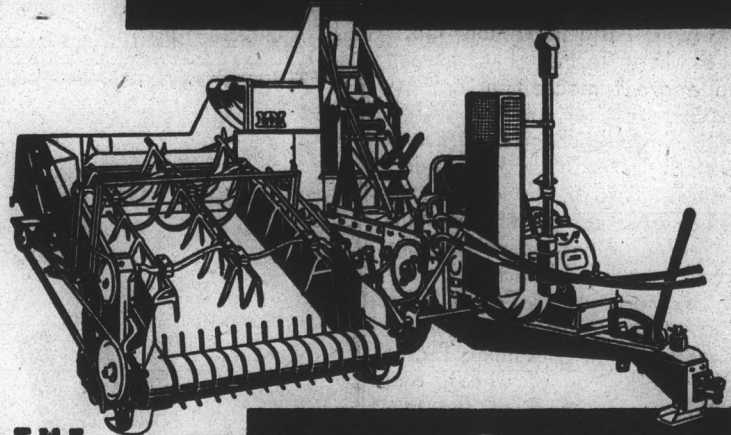
In the middle 1920s, farmers of the nation had 4,000 combines and 10,000 corn pickers; today, 950,000 combines and 640,000 corn pickers are in use today.

As a result of mechanical developments and more efficient farming one farm worker today produces enough for himself and 18 others; thirty years ago a farm worker produced only

enough for himself and seven others.

Thirty years ago farmers of the nation used 246,000 tractors; today they use 4,600,000.

HERE'S LOWER COST,  
MORE UNIFORM BALING



THE **MM BALE-O-MATIC**

ONE MAN AND THE BALE-O-MATIC MAKE UNIFORM, SQUARE-CORNERED BALES... THAT DON'T COME LOOSE!

Here's new speed, new safety, new ease in baling hay. This rugged MM BALE-O-MATIC picks up the hay, slices and ties it into firm, uniform, square-cornered bales. No loose or broken bales. No wire ends to drop in the field or in the bales. Once tied, bales stay tied. Weight of bales may be varied from 60 to 90 pounds. Length may be selected at approximately 35, 40 or 45 inches. Every bale is counted by the automatic meter.

PROFITABLE ONE-MAN OPERATION

On every farm, for custom work—this MM BALE-O-MATIC is a real money-maker. All-steel welded construction and factory quality control assure long-life, dependable performance.

For complete information, come in today. Let us give you the profit facts on the MM BALE-O-MATIC

YOUR DEALER FOR **MM** SALES AND SERVICE

## EL Machinery Co.

416 S. Hockett — Porterville — Phone 550

## Better Late Than Never

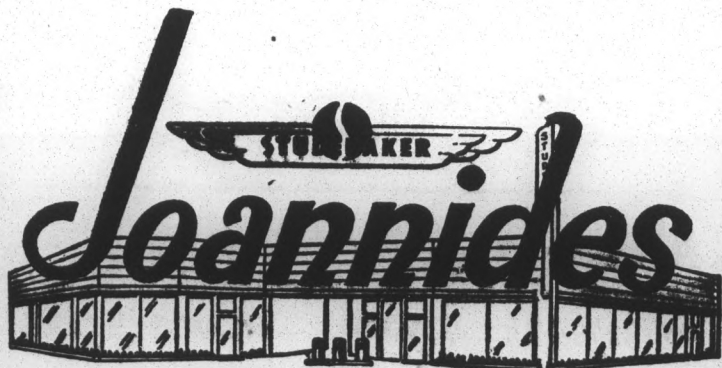
Major auto manufacturer announces 1955 Pickups with new features such as concealed running boards, double wall bodies and overdrive transmission . . .

# Studebaker

Pickups Have Featured  
These Essentials Since 1948

When Ready For a New Pickup or Truck  
Be Years Ahead —

BUY STUDEBAKER



STUDEBAKER — PACKARD

500 Second Street

Porterville

For the heart of your home, buy a

## MYERS WATER SYSTEM

When you remodel, build or buy beyond the city water mains, plan for future water needs. Think of all the "extras" you may want to add later on. Dishwashers, automatic laundry equipment, new fixtures will make a small pump work too hard, reduce water pressure, cause costly breakdowns.

When you are making plans, we will be glad to recommend a thrifty Myers water system with adequate capacity for expansion. It may save you expensive changes later.

Write or phone today. No obligation.



Easy  
budget  
terms

## PORTERVILLE HARDWARE CO.

"THE HARDWARE PEOPLE"  
PORTERVILLE

Phone 79

232 N. Main



Thursday, April 28, 1955

FARM EQUIPMENT EDITION

Page 11

BUY SELL LOAN  
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**FOR RESULTS**  
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## NOTICE

Responsibility for an error  
in any advertisement will be  
assumed by The Farm Tribune  
for only one publication of  
said advertisement.

★ Misc. For Sale

75

**WANTED — Scrap iron and metal.**  
Gray Wrecking Co., 1365 Olive  
St., phone 343, Porterville.

j14-tf

**WANTED — Rabbit Fryers, 4 1/2  
to 5 1/2 pounds. Weekly pickup.**  
Walker's Rabbitry, Star Rt. No.  
2, Springville. Phone 36-Y-13.  
Please phone evenings

f4tf

**WATKINS PRODUCTS — Call**  
2009-W, or see W. P. Kirk, 652  
Holcomb, Porterville.

je10tf

**ORDER YOUR BABY CHICKS  
NOW — Stock from Proven Pro-**  
ducers only. Orange Street Feed  
Store, Orange and E St.

j6-tf

**ELECTRIC MOTOR SHOP — Re-**  
pairing - Rewinding, Brunsons,  
514 S. Main St., Phone 1146-J.

n18tf

**BABY CHICKS — Hart's Hatch-**  
ery, Rt. 1, Box 84-A. Terra  
Bella.

m10tf

**FOR SALE — 1955 Crop Barley**  
Hay. 51-J-4 nights.

**REGISTERED HEREFORD BULL**  
for sale. Carlisle Ranch, Ducor.  
Phone Keystone 4-2212.

a14-3

HAVE

**Pasture For  
Sixty Yearlings**

**FRANK PRATT**  
Phone 254-J

a28-3p

**BUSINESS OPPORTUNITY — 14**  
Bubble Gum & Chlorophyll vend-  
ing machines, like new. These  
machines cost over \$40 each. Will  
sacrifice all for \$85 cash, in-  
cludes 2 stands and one wall  
bracket. Possible to get your  
money back in one month with  
minimum of time. Reason for  
selling, moving to full time job.  
Phone 351 or P. O. Box 462.  
Charles Rusconi.

a28-3t

**FOR SALE — Noble accordion,**  
black ultralite master No. 35.  
120 bases; 7 treble switches,  
strap, music stand and beautiful  
case. Bargain, \$225. This in-  
strument has had very little use  
and has life time guarantee.  
Cash only. Also Schwinn Bicycle  
with almost new seat, \$5. Phone  
351 or P. O. Box 462. Charles  
Rusconi.

28-3t

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THE FARM TRIBUNE**

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**STEAMSHIP and  
AIR TOURS**

Representative of American  
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15-Day Hawaii Air Tour...\$364

12-Day Air, Boat and Bus Tour  
to Alaska and Canada \$388

10-Day Mexico Air Tour from  
Los Angeles .....\$265

**James E. H. Hanson**

Phone 1579-W Porterville

## LEGAL NOTICE

**NOTICE TO CONTRACTORS**  
(Advertisement for Bids)

Notice is hereby given that sealed  
bids will be received by the Board of  
Directors of the Porterville Memorial  
District, Porterville, Tulare County,  
California, for the furnishing of all la-  
bor, material, equipment, transporta-  
tion and service for the PORTER-  
VILLE MEMORIAL AUDITORIUM  
BUILDING. Bids will be received at  
the Porterville City Hall, Porterville,  
Tulare County, California, up to 8:00  
p.m. on May 10, 1955, and will be  
opened and publicly read at or about  
8:00 p.m. on the same day.

Plans, Specifications and Bid Forms  
for the same may be obtained at the  
Offices of the Architects, R. N. Eddy  
and C. M. Deasy, A.I.A., 8810 Melrose  
Avenue, Los Angeles 46, California,  
and 2901 H Street, Bakersfield, Cali-  
fornia.

In accordance with the Labor Code  
of California, Section 1770, the Board  
of Directors of the Porterville Mem-  
orial District has ascertained the pre-  
vailing rate of per hour wages for each  
craft, mechanic, or type of workman  
needed to execute the contract that  
will be awarded for the successful bid-  
der, which said rates are on file and  
may be obtained at the office of the  
aforesaid Architects, and are by their  
reference incorporated into this notice.

Health and Welfare rates which are  
applicable to the various trades shall  
be paid.

A cashier's check, certified check, or  
bidder's bond in the amount of five  
per cent (5%) of the bid is to be fur-  
nished with the bid, payable to the  
Porterville Memorial District as evi-  
dence of good faith, and that the bid-  
der, if successful, will enter into a  
contract satisfactory to the Board of  
Directors of the Porterville Memorial  
District. In addition thereto, the suc-  
cessful bidder will furnish surety  
bonds in the amount of fifty per cent  
(50%) of the bid covering Labor and  
Material and one hundred per cent  
(100%) of the bid covering Faithful  
Performance, according to the Law.

The Board reserves the right to re-  
ject all bids or alternate bids deemed  
not advantageous to the District, and  
to waive any irregularity in any bid  
received.

One set of complete plans and speci-  
fications will be furnished for a de-  
posit of \$40.00 to the clerk of the  
bidder. Additional complete sets may be  
obtained for \$40.00 which will cover  
printing and handling costs. All sets  
of prints must be returned with the  
bid form.

Dated this 14th day of April, 1955, in  
Porterville, Tulare County, California.  
**PORTERVILLE MEMORIAL  
DISTRICT**  
By The Board of Directors  
thereof.  
CYRILLE O. FAURE,  
Chairman  
EDWARD B. CORNELL,  
Secretary

a14.21.28

## NOTICE TO CREDITORS

No. 12746

In The Superior Court of the State of  
California In and For the  
County of Tulare

**IN THE MATTER OF THE ESTATE  
OF CARRIE WOBBER, DECEASED.**

Notice is hereby given by the under-  
signed, administrator of the estate of  
Carrie Wobber, deceased, to the credi-  
tors of, and all persons having claims  
against said deceased, to file them with  
the necessary vouchers within six (6)  
months after first publication of this  
notice in the office of the Clerk of  
the Superior Court of the State of Cal-  
ifornia, in and for the county of Tulare,  
in the city of Visalia, county of Tulare,  
state of California, or to exhibit  
said claims with the necessary vouch-  
ers within six (6) months to said ad-  
ministrator at the office of Guy Knupp,  
Jr., located at 400 Second Street, in the  
city of Porterville, county of Tulare,  
state of California, which said office  
the undersigned selects as his place  
of business in all matters connected  
with the estate of Carrie Wobber, de-  
ceased.

DATED: April 8, 1955.  
OSCAR W. WOBBER

**GUY KNUPP, JR.,**  
Attorney for Administrator  
400 Second Street  
Porterville, California  
Telephone 1157.

a14.21.28,m5.12

## NOTICE TO CREDITORS

No. 12804

In the Superior Court of the State of  
California In and For the  
County of Tulare

**IN THE MATTER OF THE ESTATE  
OF JACK H. LADRIGAN, ALSO  
KNOWN AS JACK HARRY LADRIGAN,  
JOHN LADRIGAN, J. H. LADRIGAN,  
JACK LADRIGAN, JOE  
LADRIGAN AND JOE LANRIGAN,  
DECEASED.**

Notice is hereby given by the under-  
signed administratrix with the will  
annexed of the estate of said deceased  
to the creditors of and all persons hav-  
ing claims against said deceased or  
against his estate, to file them with the  
necessary vouchers within six months  
after the first publication of this no-  
tice, in the office of the clerk of the  
above entitled court, at his office at  
the Hall of Justice in the City of Vi-  
salia, County of Tulare, State of Cal-  
ifornia, or to file such claims, together  
with the necessary vouchers, within  
six months after the first publication  
of this notice with the said adminis-  
tratrix at the office of Burford, Hub-  
ler & Burford, 520 East Mill Street, in  
the City of Porterville, County of Tu-  
lare, State of California, which said  
last named office the undersigned se-  
lects as their place of business in all  
matters connected with the estate of  
said deceased.

**ELIZABETH BOONE and  
MARTHA JONES**  
Administratrixes with will  
annexed of estate of said  
deceased.

**BURFORD, HUBLER & BURFORD**  
Attorneys for Administratrixes  
Box 308, Porterville, California.

Date of First Publication:  
April 28, 1955.

a28,m5.12,19,26

## LEGAL NOTICE

**BRIEF OF THE MINUTES  
TULARE COUNTY BOARD OF  
SUPERVISORS**  
April 19, 1955

April 19, 1955  
All Present.  
55-653 Courthouse bids continued to  
April 26.  
55-654 M-2 Use permit for burning de-  
nied.  
55-655 Final subdivision map approved.  
55-656 Liability of Welfare relatives  
fixed.  
55-657 County warrants cancelled.  
55-658 Property no longer required or-  
dered sold.  
55-659 Permission to install electric  
meters at Sequoia Field.  
55-660 Taxes cancelled.  
55-661 Encroachment applications  
granted.  
55-662-68 Funds transferred.  
55-669 Application for variance granted.  
55-670 Tract 228: tentative map approv-  
ed.  
55-671 Tract 229: tentative map ap-  
proved.  
55-672-73 Right of way deeds accept-  
ed.  
55-674 Bonds for employees of treasur-  
er and tax collector approved.  
55-675 Stop signs authorized.  
55-676 Tract 223: final map approved.  
55-677 Juvenile Hall: extra help al-  
lowed.  
55-678 Road Department to board and  
room 2 men at Pascoes.  
55-679 Leave of absence granted.  
55-680 Planning Commission requested  
to remove Mooney and Pixley  
parks from agenda.  
55-681 P. A. to hire discing of new  
courthouse site.  
Adjourn to April 22, 1955.  
April 22, 1955  
Adj. Reg. Meeting  
Longley absent in a.m.  
55-682 Responsible Welfare relatives re-  
ferred to D. A.  
55-683 Liability of Welfare relatives  
fixed.  
55-684 Lien released.  
55-685 Warrants cancelled.  
55-686 Extra help allowed Agricultural  
Commissioner.  
55-687 Leave of absence granted.  
55-688 Permission to be out of state  
granted.  
55-689 Road department to work at Se-  
quoia Home grounds.  
55-690 Encroachment application  
granted.  
55-691 County Jail Annex: bid open-  
ing set.  
55-692 County employee classified.  
55-693 Funds transferred.  
Adjourn.  
**RODGERS L. MOORE, Chairman**  
Board of Supervisors.  
ATTEST: **CLAUDE H. GRANT, county**  
clerk and ex-officio clerk,  
Board of Supervisors.  
By **JAMES E. HOWARD,**  
deputy. a28

## NOTICE OF ANNUAL STOCKHOLDERS' MEETING OF CAMP NELSON WATER COMPANY

Notice is hereby given that the an-  
nual meeting of the stockholders of the  
Camp Nelson Water Company, a cor-  
poration, will be held in the Elks Club,  
Porterville, California, County of Tu-  
lare, State of California, on Thursday,  
May 12, 1955, at the hour of 8:00 o'clock  
p.m. of said day for the following pur-  
poses, to-wit:

1. To elect three directors.  
2. To transact all such other business  
as may legally come before the  
meeting.

Dated: April 14, 1955.  
By order of the Board of Directors,  
**EMERSON R. BUTTON,**  
Secretary-Manager.

Published in The Farm Tribune, April  
21, 28, 1955. a21.28

## NOTICE OF ASSESSMENT

Number 107

Hilo Water Company, a California  
corporation with principal office at the  
City of Porterville, County of Tulare,  
State of California.

**NOTICE IS HEREBY GIVEN** that  
at a meeting of the Board of Directors  
held on the 20th day of April, 1955,  
A. D., an assessment of Ten (\$10.00)  
Dollars per share was levied upon all  
shares of this corporation payable on  
or before the 20th day of May, 1955.  
A. D., to the corporation at the office  
of the secretary one-half mile north  
of Porterville on Highway 65, or mailed  
to P. O. Box 70, Porterville, California.  
Any shares upon which the assessment  
remains unpaid on the 20th day of  
June, 1955, A. D., will be delinquent  
and unless payment be made prior  
to delinquency said shares or as many  
of them as may be necessary, will be  
sold at the office of the secretary,  
one-half mile north of Porterville,  
on the 20th day of July, 1955, A. D.,  
at ten o'clock A.M., of such day to pay  
the delinquent assessment together with  
a penalty of (5%) five per cent of the  
amount of the assessment on such  
shares or to be forfeited to the corpora-  
tion.

**FRANK O. SHELDON, Secretary**  
a28,m5

## NOTICE

The Porterville Irrigation District as-  
sumes no responsibility for the bac-  
terial quality of any water delivered  
through any of its ditches or pipe  
lines.

Before said water is used for human  
consumption it should be certified for  
such use by the appropriate State or  
County authorities.

**BOARD OF DIRECTORS**  
Porterville Irrigation District  
a28,m26,j30

## TULE RIVER GIN ANNUAL MEETING SET FOR POPLAR

Annual meeting of Tule River  
Cooperative Gins, Inc., has been  
set for the evening of May 11, at  
the Poplar Methodist church hall,  
with election of two directors  
planned for the business session.  
Terms of Directors Anton Simon-  
ich and Ben Lapadula expire this

## Roundup Set

(Continued From Page 1)

Competing in the show will be  
Casey Tibbs, billed as the world's  
most famous cowboy. Tibbs is a  
five-times world saddle bronc rid-  
ing champion in Rodeo Cowboy  
association point ranking and all-  
around saddle bronc and bareback  
champion in 1954 in the Interna-  
tional Rodeo association.

He won his first world cham-  
pionship when 19 years old and  
has won 28 saddles and 75 gold  
and silver champion buckles in 10  
years of rodeo competition.

Queen of the Roundup will be  
Donna Young, with Karol Ken-  
drick and Leila Hinton as attend-  
ants. These three girls are Por-  
terville high school seniors; third  
attendant is Alice Bruno, of Lind-  
say.

Professional events for the  
Roundup, in which cowboys will  
be competing for RCA world  
championship points, include:  
Bareback and saddle bronc riding,  
bull riding, steer wrestling, team  
roping and calf roping. A special  
steer stopping event is listed for  
local, amateur performers.

With the Orange Belt Saddle  
club putting up a purse of \$1,200,  
to which is added entry fees, pro-  
fessional cowboys will be working  
for a total of nearly \$7,500 in  
prize money.

The Roundup weekend will of-  
ficially open at 10:00 a.m., Sat-  
urday, when a Western parade  
will move down Porterville's Main  
street. Riding groups, individual  
riders and horse-drawn vehicles  
will be featured.

General chairman of the Round-  
up committee is George Bastian,  
Porterville rancher. General ad-  
mission to the show will be \$1.50  
for adults; \$1.00 for students and  
50 cents for children under 12  
years.

Al Soares, president of the Or-  
ange Belt Saddle club states that  
funds from the Roundup will be  
donated to the Porterville State hos-  
pital, after costs of the Roundup  
and annual payment on the organ-  
ization's clubhouse have been de-  
ducted.

year.

Attending the meeting, which  
will be devoted to business of the  
organization, will be Russell Ken-  
nedy, of Bakersfield, general man-  
ager of Calcot.

**Sermon in Miniature**  
By Everett C. Schneider, Minister  
The Evangelical United Brethren  
Church  
511 Third Street, Porterville

## POWER OF LOVE

Thomas Chalmers, a great Scot  
preacher of a previous generation  
entitled one of his well-known  
sermons, "The Expulsive Power of  
a New Affection."

Students have studied this ser-  
mon for years as a model of both  
content and homiletic expression.  
The title, however, will be our  
interest because of the suggestion  
hear that the devils of bitterness,  
hatred, contempt, and even of  
worry, can be better driven out  
of our minds by the new affection  
of Christ-like love than by the  
force of a determined will.

Haven't all of us been in a dith-  
er because of something that  
"bothered us"? We have "stewed"  
in our endless circle of confused  
thinking, like the dog that tries  
to catch its own tail without suc-  
cess. Some people who can't get  
out of such a rut end up in mental  
hospitals. Fortunately, most of  
us have a fair concept of healthy-  
mindedness, but even the best of  
us once in a while get in mental  
depressions.

The answer is not in "taking  
a trip", but in facing our prob-  
lems with a Christian mental at-  
titude. If it's bitterness toward  
an individual the Christian ap-  
proach is "I will love his soul for  
Christ's sake"; if it's fear of the  
unknown it's a prayer that Jesus  
used, "Get thee behind me Sat-  
tan"; if it's financial worries, it's  
a scripture verse such as "Casting  
all your care on Him, for He careth  
for you" (1 Peter 5:7); if we our-  
selves are being harried it's another  
scripture verse, "All things  
work together for good to them  
that love God." (Rom. 8:28).

There's power in the expulsive  
affection of Christian love.

Wheel move type of sprinkler  
irrigation pipe vs. the efficiency  
of hand moved pipe is the sub-  
ject of experiments being con-  
ducted by Winston Strong at  
Fresno State college.

## Interior Decorating

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## Mike Wells Memorial Scholarship To Provide Educational Incentive

Scholarship in memory of Mike Wells, son of Mr. and Mrs. Prentis Wells, who was fatally injured in an automobile accident recently, was this week established by trustees for the fund: Mac Williams, Ben Cole and Ken Threlkeld.

Purpose of the scholarship is to provide an incentive for boys who graduate from Porterville high school to continue their education. Available now is an amount of \$100.00 for a graduating senior this year.

Requirements have been set up as: A diploma from Porterville Union High school and enrollment



Mike Wells

in Porterville college. Qualifications have been listed as: Need, good character and personality, willingness and desire to attain further education and participation in athletics and other extra curricular activities while in high school.

Applications for the scholarship are being handled by Mary Sprott at the high school. Full details can be obtained from her.

### PINE, REDWOOD TREES PLANTED AT HUME LAKE

Eldon E. Ball, supervisor of the Sequoia National Forest, announced this week that the Hume Lake Ranger district has just received

## TIME OUT

By Davis Harp

We were very much impressed by the Fish and Game banquet which we attended Monday evening. Since my fishing career consists of laying on my back under a tree with a cane pole stuck in the mud nearby, I felt like a country cousin just coming to town.

I had entertained great hopes of taking home a little hardware from the feed, but had my hopes squelched by a young man sitting nearby who could start a revolution with the shooting irons that he won, he took home both the junior grand prizes, which were a .22 rifle and a pump shotgun.

The roof fell in on the Pirate nine at Visalia last week as they slipped into second place by dropping a 4-1 decision to the COS Giants. Coach Sid Hall's outfit was handcuffed by the Giants' Neil Fredrickson, who sent 12 Pirates down swinging. Duane Keen poled one over the fence to score the Pirates' only run of the day. Keen is the leading hitter in the CCJCA conference and not only hits, but covers right field like a veteran. The Pirates were

## Hope Water District Formed

Hope Water district was formed Tuesday by an apparently unanimous vote of landowners within the district, on a basis of unofficial returns. A total of 91,080 votes were cast in favor of formation, with property owners entitled to vote on a basis of property valuation.

Elected to the board of directors were: Wiley Ambrose, Everett Cloer, Cyrille Faure, Joe Konda and Edward J. Konda. Irvin Alt-house was elected assessor-collector-treasurer.

The new Hope district is located south and west of Porterville.

its first shipment of nursery-grown trees for this season's spring planting program.

This shipment contained 4,600 Sierra Redwood seedlings for planting on suitable sites near recreation areas.

The planting of 8,000 pine seedlings on Timber Sale areas on the Hume Lake district is expected to begin May 1. These will be planted by a timber stand improvement crew which is located at Bearskin Meadow.

weakened considerably by the loss of lead-off hitter and left fielder Harlan Hawkins. Hawkins parted company with the Pirates after a misunderstanding with Coach Hall. This weakened the Pirates at the plate as Hawkins was a good bet for either a walk or a hit every time he went to bat.

Farm Tribune Ads Get Results

From

Daybell  
Nursery

By John



This is Western week again and everyone is dressed for the occasion. If the real westerners dressed like the modern day westerners dress you can easily see why the West was called wild. Last year at this time we advertised all western plants like catalpa trees, horseradish, California Holly, California Lilac, and such as that. This year we're not even going to mention them. In fact the only western merchandise we'll brag about is our Sunset Western Garden Book. Brought out last year, it tells everything you need to know about gardening except how to pay for it.

If summer ever comes to Porterville you will probably say to heck with the gardening, let's go to the hills — we've got you there too. Amongst these fine Sunset Garden Books are three new ones — "Discovery Trips of California", "Western Campsite Book" and a guide to the Sierra. At last we can sell to you a book which tells you where to go — something we couldn't tell ourselves.

We can tell you where to come if you want to see some of the largest and bloomiest Azaleas in the land — two feet high and two feet wide for only five dollars. Full of bloom too.

Bottle Brush, Weigela, Genista, Hibiscus, Gazanias, Beauty Bush, Hawthorn, and many roses are blooming daily if you like to look before you leap. By the way if the person that swiped the roses last year will drop by some night we have a new assortment in the same place. These are even better roses and should be well worth the effort.

## Picnic and Bar-B-Que SUPPLIES

Enjoy Outdoor Living  
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Hot Dog Forks ..... **89¢**  
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Briquettes, Oak Charcoal,  
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